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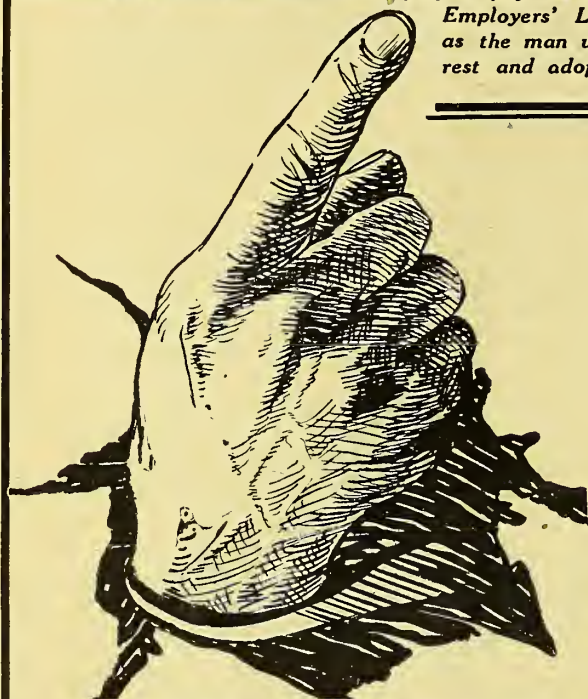
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Made in Khaki Drill. Case fitted with Razor, Shaving Brush, Metal Mirror, Shaving Stick, Tooth Brush and Tooth Powder, Toilet Soap and Towel. 7/6 each, boxed complete. Subject to 33 1/3% trade discount. Order immediately from  
D. HARPER & CO., Ltd., Fancy Leather Goods Manufacturers, 258/262 Holloway Rd., N.  
Telephone: North 1636.

## BEETHAM'S "LAROLA"

(Registered)

Is the Skin Tonic for 1916.

It is effective.

It is attractive.

It is price-protected.

It is well-advertised.

It sells readily.

It bears a good profit.

## HAVE YOU OUR SHOWCARD?

THIS IS WHAT THE "C. & D." SAYS OF IT:

BEETHAM'S NEW SHOWCARD.—One of the prettiest lithographic productions which have come to us lately is the Larola beauty here depicted. The card measures 24 in. by 18 in., and is all roses, even the word "Larola" being formed from prickly rose-stems. The fair rose-gatherer has rosy cheeks, and she and the setting make so bright a picture that no pharmacy will be complete without it. Copies can be obtained from Messrs. M. Beetham & Son, Cheltenham, the originators of Glycerine-and-Cucumber and Larola.

This handsome Showcard, in 14 colours (size 24 by 17) can be had by any chemist who will give it a good place in his pharmacy.

M. BEETHAM & SON, Cheltenham.

7d.

Make your old  
Hat a new one.

In bottles, 7d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.



NO GLOSS.

NO POLISH.

On the  
P.A.T.A.

Write for terms,  
patterns also leaf-  
let of testimonials.

## "Luton" HAT DYE

WHITAKER & CO., COLOUR WORKS, KENDAL, ENGL.  
London Depot: 60-62 Clerkenwell Road, E.C.

"Glossy" Series supplied if desired. Est. 1878.  
Special Non-Inflammable Series for Export.  
Telegraphic Address: "Dulleite Kendal." Telephone: No. 214



**Some Lines you will do well to Stock.**

# HOVENDEN'S SUPERIOR BRITISH-MADE EAU DE COLOGNE



### RECENT TESTIMONIAL.

"The British Superior Eau de Cologne is delicious, and we shall get it now always instead of —, which we have hitherto used."

### FINE QUALITY.

½ pint, imperial, 34/- doz.

½ pint, imperial, 64/- doz.

1 pint, imperial, 126/- doz.

### "STAR" BRAND.



No. 4644.

No. 1496. 2 oz. (about) ... 10/6 doz.  
" 1497. 4 " " " 18/- "  
" 4644. 1 pint (reputed),  
wicker (as illustration) 50/- "



No. 1497.

### RECENT TESTIMONIAL.

"Many thanks for Eau de Cologne received. It certainly is the best I have used, and I am glad we are not dependent on another country for that most refreshing of Perfumes."

### THE BRITISH.

No. 4677. 2 oz. (about). 15/6 doz.

No. 4679. 4 oz. (about). 27/- doz.

18 oz. (fancy stoppered) 126/- doz.



Nos. 4677/79.

### A GREAT FAVOURITE.



No. 4626. Decorated tins, 4/6 doz.: 52/- gross.

### FLORAL HAIR CREAM.

A NON-  
GREASY  
HAIR  
FIXER.



No. 4619  
4/9 doz.

No. 4620  
8/9 doz.

### THE MDME. STE CROIX'S HENNA SHAMPOO POWDER

Leaves the hair bright after use.



No. 4618/7.

7 Packets in Box 7/6 per doz. boxes.

Customer's own Name FREE on 3 doz. boxes.

## HOVENDEN'S SPECIALITIES.

TOILET & BATH SOAPS & CRYSTALS (Real Luxuries).

MEDICATED SOAPS, PINE TAR, MILK OF SULPHUR, &c.

COMPACTE POUDDRE PARISIENNE (BRUNETTE, &c.).

SWEET LAVENDER (MAUD MILLETT BRAND).

IMPERIAL BATH CRYSTALS.

THEATRICAL COLD CREAM (The Make-up Remover).

SPECIAL QUOTATIONS ON APPLICATION.

Subject to 2½% Cash Discount.

A copy of our Monthly Illustrated List will be sent on application.

# R. HOVENDEN & SONS, Ltd.

29, 30, 31, 32 & 33 BERNERS ST., OXFORD ST., W. Tel. No.: Museum 2810 (3 lines).

And 89, 91, 93 & 95 CITY RD., FINSBURY, E.C. Tel. No.: 6260 London Wall (2 lines).

Factory: 41 to 53 BRITANNIA ROW, ISLINGTON, N.

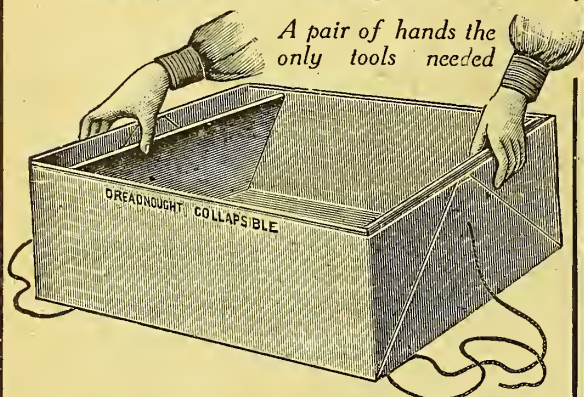
# LONDON.



## SIMPLIFIED PACKING BY BOY OR GIRL LABOUR

is one of many advantages to  
be secured by the adoption of

### "DREADNOUGHT" Collapsible Packing Cases

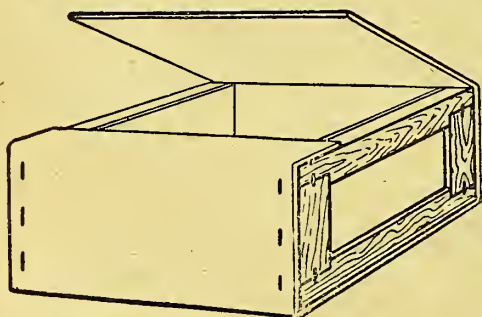


*A pair of hands the  
only tools needed*

"Dreadnought" Boxes are made of strong strawboard, waterproofed inside, with strings attached, ready for instant erection and dispatch. The collapsible parts are *all inside* the box, forming extra strengthening power, the exterior being a smooth, even surface available for labelling. Apart from the strings there are no fastenings whatever. The boxes can be erected in the short space of a few seconds; are **Strong, Rigid, Light, and Neat**, thus in every way being an improvement on the old-time heavy and troublesome wood cases.

Where boxes of *exceptional* strength are required we recommend the new

### "HERCULES" WOOD-END BOXES,



*Specially designed for the  
safe transit of heavy articles.*

which possess the actual *maximum* of strength  
and capacity with the *minimum* of weight.

State sizes of boxes, weight, and nature of contents  
and approximate quantities required, when all the  
requisite information will be forthcoming.

Address the Sole Makers:

**GLOBE BOX CO.** (Cartwright & Rattray, Ltd.)  
HYDE, CHESHIRE.

Telephone No. 115 HYDE (2 lines).

## CARTONS FOR STOCK LINES



WE HAVE A LARGE VARIETY OF CARTONS IN  
STOCK, ONE OF WHICH WE ILLUSTRATE ABOVE.  
THE WORKMANSHIP IS GOOD THROUGHOUT, AND  
WE CAN RECOMMEND THEM TO ALL WHO WISH  
TO SEE THEIR GOODS WELL PACKED.

WE SHALL BE GLAD TO SEND SAMPLES OF  
ANY OF THE FOLLOWING CARTONS FOR

BLOOD MIXTURE  
CAMOMILE  
COUGH BALSAM  
EMBROCATION  
FRUIT SALINE  
HAIR RESTORER  
HYPO  
LEMONADE CRYSTALS  
NEURALGIA MIXTURE  
SENNA  
SEIDLITZ POWDERS  
SYRUP OF FIGS  
ETC. ETC. ETC.

**ROBINSON & SONS, LTD.**

BOX MAKERS TO THE  
CHEMIST TRADE

CHESTERFIELD & LONDON.



# PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

**R.W. Greeff & Co.,**

offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries.

(WHOLESALE QUANTITIES ONLY)

Barbitone	Isarol (best Ichthyol substitute)
Bromide of Ammonium	Lithia Carbonate
Bromide of Potassium	Lithol (Ichthyol sub.)
Bromide of Sodium	Mercurials
Chloral Hydrate	Methyl Salicylate
Cinchonine Sulphate and Muriate	Peppermint Oil
Cinchonidine Sulphate	Pepsine
Citric Acid	Phenacetin
Cocain Hydrochlor and Puriss	Phenazone
Cream of Tartar	Pyrogallic Acid
Creosote Carbonate	Potassium Sulpho-Guaiacolate
Eucalyptus Oil	Quinine and Salts
Formaldehyde	Quinine Ethyl Carbonate
Gallic Acid	Salicylate of Soda
Glycerophosphates	Sugar of Milk
Guaiacol Carbonate	Tannic Acid
Heliotropin	Tannin Albuminate
Hexamine	Terpineol
Homatropine	Theobromine
Hydroquinone	Vanillin



**R.W. Greeff & Co.,**  
Thames House, Queen Street Place  
London .E.C.





# NO MESSY LABELS



NAME OF CHEMIST  
ON ACTUAL TUBE

Your Name actually  
printed on the tube  
itself without extra  
charge for 1 gross  
assorted.

Assorted in Carbolic, Cherry, Formalin, Mint and  
Areca Nut Tooth Pastes; Boracic Ointment & Lanoline

PRICE, including name & address on tube **42!** PER GROSS

SEND FOR SPECIMEN TUBE—

**WHITE BAND MFG. CO., Ltd. PROGRESS WORKS,  
SOUTH CROYDON.**

WE ARE BUYERS  
of  
**SODA ASH** under N.O.T.  
conditi ns.  
APPLY TO  
**G. J. van der Aa & Zoon,**  
Soap Works, Haarlem, Holland.

## LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,  
— Manufacturing Chemists —

**HULL**

Are reluctantly compelled to advance the prices of the  
following preparations, but, as the protected retail prices  
are also increased, the Trader's profit is still large.

	P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	7½d.		5/-
" " " " " "	1/2		10/-
" " " " " "	bottles in cartons	1/6	12/-

**\*Losall's Salt sells so well, surely it  
must pay Pharmacists to stock such  
a large profit-bearing protected line.**

### LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, } 1/6 12/-  
especially suitable for use in Eczema

Chemists requiring effective advertising matter for  
Losall's Salt, &c., will, on application direct to  
Lofthouse & Saltmer, receive a liberal supply of  
Dummies, Showcards, Window Slips, Price Tickets,  
&c., Carriage Paid, whether or no they have an  
account open with the Firm.



## KRASKA

THE QUEEN LIQUID  
:: NAIL POLISH ::

**Highly Profitable.**

Sold at all Wholesale Houses

8/3 11/- 16/6

Per Dozen.

Retailing at

1/- 1/6 2/6

Per Bottle.

Applications for Agencies invited.

**The Kraska Co., Ltd.**  
7 Blenheim St., LONDON, W.



Maw's

S MAWSON & SONS  
(GPO BOX N° 54)  
7-12, ALDERSGATE ST.  
LONDON E.C.

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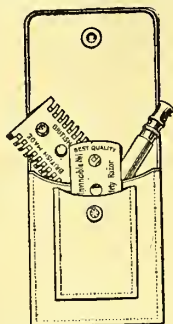
JUNE 10, 1916

# AUXILIARY EQUIPMENTS

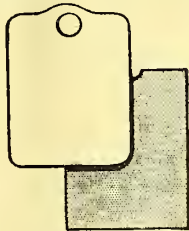
A large percentage of your male customers will soon be in khaki. Prepare now for "The Appointed Day." Make a display of useful requisites—and a reputation for being up-to-date.



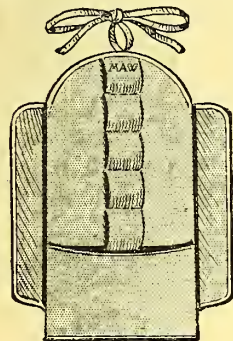
**SPIRIT FLASKS.**—All metal patterns. Concave, 2/3 to 6/9 each. Tall, 5/9 to 8/9 each.



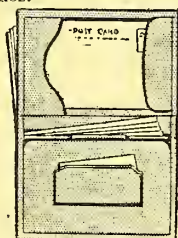
**"INVINCIBLE" SHAVING SET.**—Case for the pocket, containing razor and blade, 15/- doz.



**UNBREAKABLE MIRRORS.**—A well plated article in neat khaki case, as illustrated. Case stiffened at sides and bottom, to form stand for mirror. 18/- doz. Cheaper quality, 8/- doz.



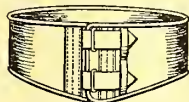
**KHAKI HOLDALLS.**—Provides space for tooth-brush, shaving soap, knife, spoon and fork. Two qualities, 10/- and 18/- doz.



**WRITING COMPANIONS.**—The "Aye-Ready" Letter Case, in stout waterproof khaki material. Fitted with stationery, 18/- doz.



**AIR PILLOWS.**—Khaki-covered rubber. Measures 17×12 in. when inflated. Waterproof case. 48/- doz.



**BODY BELTS.**—Felt and flannel. Grey and red. Sizes 28 to 40 in. From 27/- doz.



**"ACTIVE SERVICE" FOOT POWDER.**—An excellent preparation. Put up in attractive sprinkler-top tins, with showcard, 24/- gross.



**"ACTIVE SERVICE" SOLIDIFIED BRILLIANTINE.**—Perfumed with Bay Rum. In screw-cap tins, 4/9 doz.

## DENTIFRICE IN TUBES.

The most convenient form to carry tooth paste is undoubtedly in collapsible tubes. It is most compact, and can be readily slipped into odd corners.

## 6d. SIZE SERIES.

Arca, Carbolic, White Carbolic, Cherry, White Cherry, Thymol, and Wintergreen.

PRICE 4/- DOZ. ALL.

## 'PAREX' (Regd.)

DENTAL CREAM.

Price 7/9 doz., with Bonus.



**"ACTIVE SERVICE" CAMPHOR & BORACIC CREAM,** eminently suitable for applying to the hands and feet. Put up in strong metal screw-cap cases. 33/- gross.

## Time is Money.

Dozens of our hands have worked night and day, without cessation, for years.

Let us hasten to add that they are clock hands. Nearly thirty time-pieces are located about our various departments, each one silently "doing its bit" for the cause of efficiency.

Thursday morning is the inspection day for our clocks. The regulator, equipped with a ladder and winding-key, moves from room to room. He takes great interest in his ticking "patients." One almost expects him to use a stethoscope and a sphygmomanometer.

Their one medicine is Correct Time. The regulator is inexorable over this.

An organisation scheduled to minutes, a service run almost to seconds, means prompt execution and distribution of orders. The postal service and the railway service are integral parts of our business life; we have to adjust our working time to a universal one.

Throughout this establishment the clock is the final arbiter. It speeds up the work and keeps count of the minutes we have to do it in. System is synchronized.

These clocks breed a spirit of animation. There is one in view of practically every employee. We realise that it would be a waste of time for a

worker to take time to see the time. The hours slip around quicker when the staff mechanically apportion out the hours for various duties. They fit in like a mosaic pattern; no undue haste that results in mistakes, but a methodical routine that follows the hands around the dial.

Every year sees new additions to the mechanical equipment of business houses. It is doubtful whether anything more reliable and indispensable can be found in the House than the army of clocks. Our time is our customers' time. We like to save it.

*Capsule*

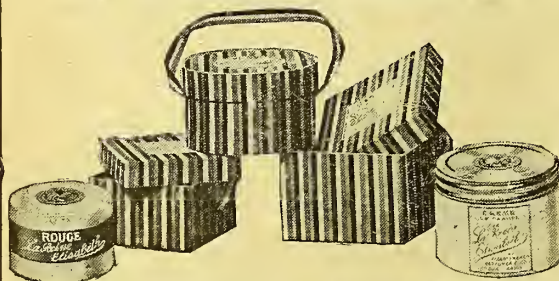


## IMPORTANT NOTICE

The Anglo-French Perfumery Co. (incorporated with the Parfumerie Aristocratique of Paris) have established a branch at 69 Hatton Garden, London, E.C., where they are manufacturing their high-class Toilet Preparations, viz., Face Powders, Creams, the renowned Lait de Lys Dienne (Skin Food Milk), also Rouge, Nail Preparations (the World's best Nail Paste—'Ouvarda'), Perfumes, French and Russian Eau de Cologne, and Hair Requisites. Shippers requiring Toilet Preparations for Export are specially catered for (Customers' labels supplied with goods if required).

A New and Novel Line which is creating a big demand—packed in true Belgian colours—is very attractive, and makes a grand display in the window.

The Triple Entente of the Toilet Table—  
**"LA REINE ELISABETH"**



Powder	...	10/- and 15/6 doz. boxes
Cream Vanishing & Skin Food	...	12/- " 15/- doz. pots
(non-greasy)	...	
Rouge	...	12/- "

Apply for Price List and Samples to

69 Hatton Garden, LONDON, E.C.

## BRITISH MADE

# SCENT SPRINKLERS COLLAPSIBLE TUBES

Decorated Tin Boxes & Canisters

Manufactured by  
**The JOHN DALE Mfg. Coy.,**  
 NEW SOUTHGATE, LONDON, N.

## SEMREH

**BOTTLE CAPS  
CAP  
EVERYTHING  
CAP-ABLE,**  
 No matter the shape of  
 the stopper.  
 Self-Fixing. Air-Tight.  
 Details from  
**THE VISCOSE**  
 Development Co., Ltd.,  
 BROMLEY, KENT.



# "LESCOL" FLORAL PERFUMES

In 50 Different Odours.

For Home & Export, to suit all Markets.

**LINES FROM 1d. TO A GUINEA.**

YOUR ATTENTION IS DRAWN TO OUR

## EAU DE COLOGNE

In All Sizes.  
 Own Manufacture

Also LAVENDER WATERS, SMELLING SALTS,  
 BRILLIANTINES, and all Toilet Preparations.

Write for our NEW PRICE LIST (Illustrated in Colours), showing  
 our very attractive New Lines, to the

## LESCOL PERFUMERY CO.,

Lomond Grove, Camberwell Green,  
 LONDON, S.E.

Telephone: 810 HOP.

Telegrams: "VANILLIN, CAMBER, LONDON."



# LIQUID PARAFFIN B.P.

## PETROLEUM JELLY

## WHITE OILS

HALF-WHITE AND COLOURED MINERAL OILS.

STERN SONNEBORN OIL CO., LTD., 16 FINSBURY SQUARE, LONDON, E.C.

# METHYLATED SPIRIT

## OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.  
Write for Prices. ESTABLISHED 1794.

**SAMUEL THORNLEY, LTD., BIRMINGHAM**

## OKELL'S ORIGINAL MONA BOUQUET.

(First introduced by the late JOSEPH O'KELL).

Registered Trade Mark, "DOUGLAS PIER."

The most popular and best-selling perfume in the market.  
Retail Prices ... 1/-, 1/9, 3/6, 6/-, 7/6, 10/6, per Bottle.

**ALSO 3d. SAMPLE BOTTLES.**

Shippers and Wholesale Buyers supplied on the best terms by  
**THOMAS WEST & SON,** 1187 Chester Road, **MANCHESTER.**  
Stretford.

## SUPPORT HOME INDUSTRIES.

Estd. 1777.



Incd. 1900.

**BUY**  
**KENT'S**  
**BRUSHES.**

Winter Issue, 1916, pp. 96, 97.

Diary, 1916, pp. 96, 97.



## SAFETY RAZORS



Complete Outfits,  
8/6 to 36/- Doz.

SAFETY  
RAZOR BLADES,  
4/6 to 14/6  
per Gross.

Wholesale trade only supplied.

HAMMETT'S, —Manufacturers,—London, N.E.  
422 MARE STREET,

## THE BRYTSTELE OUTFIT

### For Safety Razors

Safety Razors kept in a Brytstele Bath do not require to be taken apart for cleaning or drying. Brytstele Solution keeps blades sharp for at least two months without stropping. Blades and Holders are kept bright, antiseptic, and free from rust.

### ATTRACTIVE OUTFITS AS ILLUSTRATED.

Retail 2s. each ... Trade 17/- doz.

Refill Bottles (4 oz.) ... 7/- "

10z. each ... " "

Refill Bottles (10 oz.) ... 13/- "

1s. 8d. each ... "

Carriage paid on dozens only. Good Showcards, etc.

THE BRYTSTELE Mfg. Co., 106 High Street, Camden Town, N.W.



## BRITISH MADE.

# Safety Razors

## Blades & Cases.

WRITE FOR CATALOGUE.

WILLIAM P. KELLAND,  
36 & 37 CAMOMILE STREET,  
LONDON, E.C.

Provincial Offices and Showrooms:

LIVERPOOL - E. H. HAYWARD,  
38 CHURCH STREET.

BIRMINGHAM - E. H. JONES,  
36 CANNON STREET.

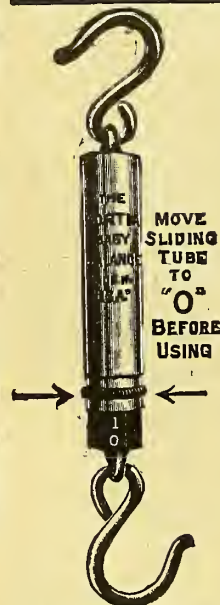
GLASGOW - I. S. ESTERSON,  
52 ST. ENOCH SQUARE.

BELFAST - J. HEATLEY,  
36 WARING STREET.

Samples always on view

"IT'S ALL IN THE EDGE."

## A Profitable Seller



## THE "PORTIA"

(Regd.)

NET WEIGHT

## Baby Balance

Weighs up to 15 lb.

Price

1 1/6

dozen.

Retail

1/6

each.

Hang a balance in your window with our dainty cut-out showcard in colours on the lower hook, showing a baby actually being weighed, and you will soon be re-ordering.

## SOLPORT BROS.,

184 to 190 Goswell Rd., London, E.C.

Obtainable through all Wholesale Houses.

OVER 100 % PROFIT  
ENSURED & PROTECTED (P.A.T.A.)  
for sellers of

## Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail	Minimum wholesale.	
1/-	1/-	7/6	} per doz. less 5 % discount
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

### SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN,  
LTD.

DEVON WHARF,

Emmott Street, Mile End, London, E.



# LARGE STOCK BOTTLES JUST IN.

NO RETAIL CHEMISTS SUPPLIED.

$\frac{1}{2}$  oz., 1 & 2 oz. **CANNONS** (large quantity). 5 oz. **BRILLS**.  
 $\frac{1}{2}$  oz. 3-ring neck **BRILLIANTINES** (large quantity).  
 2 & 4 oz. **EAU DE COGNES**. 10 & 20 oz. **EAU DE QUININES**.  
 8, 10, 12, 16, 20 & 24 oz. **KALIS**. 3, 4, 8, 10, 12 & 20 oz. **LIMES**.  
 1, 8, 12 & 16 oz. **MEXICANS**. 2, 2 $\frac{1}{2}$ , 4 & 18 oz. **PANELS**.  
 3 $\frac{1}{2}$ , 7, 15 & 25 oz. **PROVENCE OILS**.  $\frac{1}{16}$ ,  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , 1, 1 $\frac{1}{2}$  & 2 oz. **FLINT VIALS**.  
**PANEL BAY RHUMS**. 5  $\times$   $\frac{5}{8}$ , 6  $\times$   $\frac{5}{8}$  & 6  $\times$   $\frac{3}{4}$  **TEST TUBES**.  
 2 oz. **VASELINES**. 2 $\frac{1}{2}$  oz. **GREEN TOBINS**. 3 oz. **OPAL PANELS**.  
 500 gross Long 1 oz. **VIALS**. 500 gross Medium  $\frac{1}{2}$  oz. **VIALS**.  
**BEAKERS** (in sets, six small sizes). **GLASS TUBING**, 10 to 15 m/m. diameter.  
**TABLET BOTTLES**, Nos. 1, 3, 4, 5, 6 & 7.  
 $\frac{1}{2}$  & 1 oz. **FLINT T.K. DROPPING BOTTLES**, & 4 oz. **AMBER**.  
 6 & 10 oz. **FLINT ROUND SCREW HONEY JARS**.  
 2 oz. **FLINT VASE SHAPE SCREW POMADES** for pull-off Caps.  
 8 oz. **SQUARE FLINT SCREW BARLEY-SUGARS**.  
**MALE GLASS URINALS** (large quantity).  
**N. & W. MOUTH STOPPERED REAGENT BOTTLES** } Samples can be seen  
**STOPPERED PERFUME BOTTLES** } here. Delivery about  
**CONCENTRATED PERFUME BOTTLES** } August.  
**HYPODERMIC SYRINGES** in metal cases.

All the above, subject to being unsold on receipt of your order by 'phone or wire.  
 Remember delays are dangerous. **BUY NOW** while you can.

## Jules Lang & Son,

CHARLTON WORKS, CHARLTON PLACE  
 ISLINGTON, LONDON, N.

Telephone: North 1345 (2 lines).

And four other Warehouses.

Telegrams: "Assorted, Nordo, London."

## DODGE & OLCOTT CO.,

20 MARK LANE,  
 LONDON, E.C.

### THE "D & O" BRAND

*is the "Standard of Quality" for*

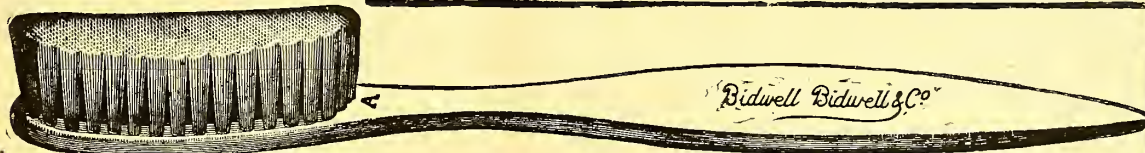
OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT,  
 SASSAFRAS, ETC.

BALSAMS of Copaiba, Peru, Tolu.

TONKA BEANS, Angosturas.

'Phone:  
 CITY 2468.

Telegrams:  
 "EGDARF, FEN, LONDON."



## BIDWELLS' TOOTH BRUSHES.

**NO LOOSE HAIRS.**

Please send for Catalogue—

**BIDWELL, BIDWELL & CO., Ltd., AXMINSTER, DEVON.**  
 LONDON OFFICE: BUSH LANE HOUSE, CANNON STREET, E.C.



# YVONNE CREAM

and

## YVONNE MEDICATED MEAL

The most exquisite preparations ever offered to the Trade, and which are now being extensively advertised.

**YVONNE CREAM** is made from a new base only recently discovered, is the most effectual beautifying Cream extant, and is quite distinct from any other preparation on the market.

**YVONNE MEDICATED MEAL.** Something entirely new, and should be stocked by every Chemist, as we believe in securing the goodwill of the individual Chemist as well as creating a demand through press publicity. We have fixed our prices to allow the Trade 33 $\frac{1}{3}$ % Profit on sales, and we think that every Pharmacist will agree that such Profit is very fair upon advertised articles. In addition, for the next few weeks we are making the following **SPECIAL OFFER:**

To every Chemist ordering	1 doz. Yvonne Cream	...	...	1/- size at 8/-	} Carriage Paid
	1 "	...	...	6d. " "	
	1 " Yvonne Medicated Meal Pads,	...	...	4d. " "	

we will send, **Gratis**, 1 Gross Yvonne Cream 1d. Samples, beautifully boxed for Counter display, together with supply of Pamphlets. All orders will be executed in strict rotation.

**THE YVONNE CO., 25 Duncan Terrace, City Road, London, E.C.**

## THE "MILNER" STRAW HAT CLEANER



8TH SEASON.

**2D.**

*It is easily used,  
and gives complete  
satisfaction.*

PRICES.		Net.	} Carriage Paid.
6 doz. with Specimen Hat		7/-	
12 doz. " " "		13/-	
2 gross 1 hat	2 $\frac{1}{2}$ %	} discount	
5 gross to each	5%		
10 gross gross	7 $\frac{1}{2}$ %		

Monthly Account.

If hat is not required we send 6 packets instead.  
13 to the dozen for Cash with Order.

Attractive counter boxes and advertising matter supplied with each order.

**MILNER'S CHEMICAL CO., Liverpool.**

## STRAW HAT CLEANER.

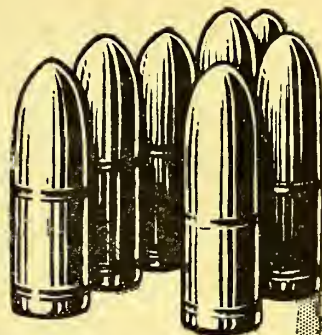
If you are packing  
this line, send for  
our Sample Envelope.

**JAMES TOWNSEND & SONS,**  
Chemists' Printers,  
**EXETER & LONDON.**



# You can't get Glycerine— the Government wants it

and the demands of H.M. Government must come first.  
But you can get something equally as good for external use



## EMOLINE

is an efficient substitute. Just give it a trial. A postal order for 3/6 brings you a jar of Emoline Paste (sufficient to prepare 96 oz.) together with a smart window poster, and a supply of well-designed labels.

*Why shouldn't YOU get some of the business done by the Multiple shops? They sell Glycerine substitutes—why don't you? Obtainable from the leading wholesale houses or direct from*

One doz. Jars  
**36/-**



### Quick Sales among Tommies, Munition Workers & Others

*Real* Tea, milk and sugar packed into a compressed tablet—one tablet to a cup—enough for six cups in a box. A quick-selling line with enormous possibilities amongst service men and munition workers. Boiling water only is required, which is always obtainable.

## CUP O TEA

is the best thing of its kind on sale, because it is real tea, and not tea dust.

<b>NOTE OUR PRICES</b>	6d. boxes containing six tablets . . .	4/9 per doz.
	1 gross lots . . .	4/6 " "
	Penny tablets packed in boxes, containing 3 or 6 doz. tablets . . .	9/- per gross.
	6 gross lots . . .	8/6 " "

Above prices are carriage paid, and subject to 2½% for cash with order.

A really good window display will be ready shortly—  
FREE with all opening orders of £2 10s. and over.

Send your order, or write for Sample to—

**Sells at  
6d  
per Box  
of 6 Tablets**

**Lloyd's**

60 Tennyson Rd.  
Small Heath  
BIRMINGHAM

*(Cup-o-tea is stocked by  
the leading wholesale  
houses.)*





# In the Syphon

It is *quality* in the syphon that counts. **Back-pressure** puts it there.

High-pressures in the aerating cylinder won't do it. All that means is big gas bills and many syphon breakages.

— o —

It's usual to aerate to 180 to 200 lb. to leave 60 lb. in the syphon! True, but this means loss of gas—a lot of gas.

The remedy is back-pressure filling. Waters aerated to 60 lb. will show 55 lb. in syphon—a clear saving of more than 50 per cent. in CO<sub>2</sub> alone, while the lower bottling pressure reduces breakage to a minimum and ensures the supremely perfect product.

— o —

Write for particulars of "Compact" Back-Pressure Soda-water Machines.

## Barnett & Foster

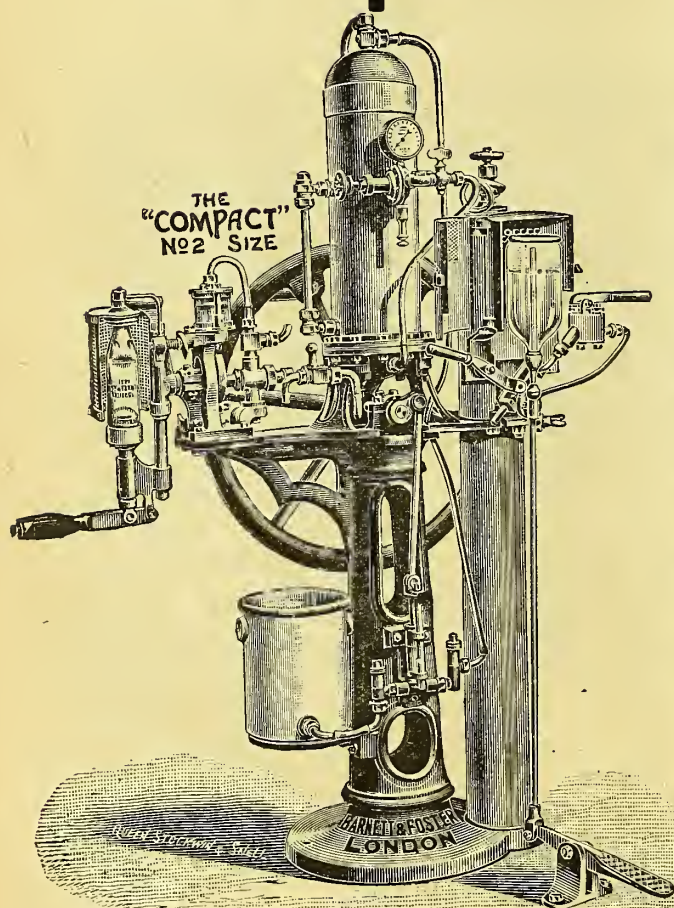
(Proprietors of Galloway Brothers)

— ENGINEERS,

Contractors to the War Office and Crown Agents,

Dept. N<sub>3</sub>, Niagara Works, London, N.,  
and at **BOLTON, LANCs.**

Telegrams: "Drinks London"; "Soda Bolton."  
Telephone: London 1605 North; Bolton 545.



### "Compact No. 2"

Soda-water machine complete with inverted gun-metal pump; automatic saturating cylinder; Ideal turnover filler with syrup pump and syphon filler.

**Price £50 : 2 : 0**

(not including gas flask)



# "PRANA" SPARKLETS

---

## PRESENT PRICES TO THE PUBLIC:

"C" size Syphon - - 5/6.

"B" size Syphon - 4/-

"D" Bulbs (per dozen) 2/6

"B" Bulbs (per dozen) 1/8

"D" BULBS REFILLED AT 1/9 PER DOZEN.

## IMPORTANT NOTICE TO THE TRADE.

- ¶ Every empty "D" Bulb returned to be re-filled saves the making of a new Bulb at our Works, and consequently economises both time and material for the production of ammunition.
- ¶ THE TRADE IS URGENTLY REQUESTED TO ASSIST US IN SUPPLYING MILITARY REQUIREMENTS BY FORWARDING TO OUR WORKS AT ONCE ALL EMPTY "D" BULBS RETURNED BY USERS IN EXCHANGE FOR NEW ONES, & BY REMINDING CUSTOMERS THAT THESE EMPTY BULBS ARE WORTH 9d. DOZ.
- ¶ As the manufacture of "Prana" Sparklets is necessarily of secondary importance during the War—except for the needs of the British Expeditionary Forces and Red Cross Hospitals—the general requirements of the Trade this Summer can only be met by the co-operation of the Trade itself in returning as many empty "D" Bulbs as possible, without delay.

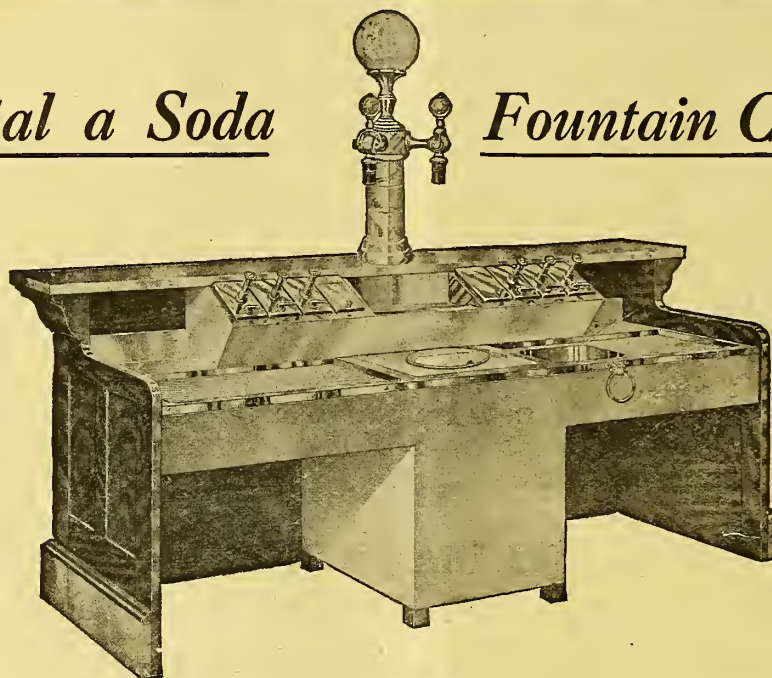
## AERATORS LIMITED

"Prana" Sparklet Works, Upper Edmonton, N.

# A Money-making Proposition for Enterprising Chemists & Druggists !!

Instal a Soda

Fountain Counter



The Soda Fountain is a prominent feature with Druggists' Stores throughout the United States. Why not here? It may be looked upon as an innovation, but is a step in the right direction as a Profit Earner!

It will improve the appearance of your Store and draw new customers if you have the right kind of Fountain, and that is

## THE "RED CROSS" SODA FOUNTAIN (THE STANDARD OF THE WORLD)

MANUFACTURED BY

**The BISHOP-BABCOCK-BECKER CO., Cleveland, Ohio, U.S.A.**

The range and variety of styles and sizes is practically unlimited, enabling every possible requirement being met.

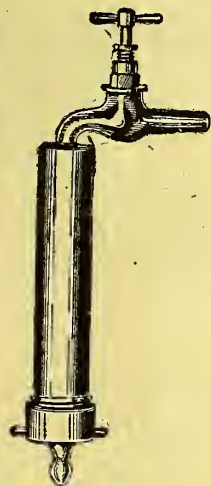
*Sole Agents for the United Kingdom and South Africa:*

**L. LUMLEY & CO., Ltd., The Minories, LONDON, E.,**

who will be pleased to submit designs and advise those interested.



# PURE DRINKING WATER.



## The Pasteur Chamberland Filter.

OFFICIAL GOVERNMENT  
STATEMENT:

Wherever the **PASTEUR  
FILTER** has been applied,  
**TYPHOID FEVER** has  
disappeared.

WRITE FOR LIST B.

SOLE MAKERS:

The British Pasteur Chamberland Filter Co.  
5 WHITE STREET, FINSBURY,  
LONDON, E.C.

# PASCALL'S GOLDEN MALTEX

Contains  
25%  
Pure  
Malt  
Extract



of  
especial  
food value  
for  
Children.

† Pascall's Golden Maltex is admirably  
suited for sale by Chemists, owing to  
its nutritive and restorative qualities.

† Order through your Wholesale Drug-  
gist, or direct from the manufacturers,

JAS. PASCALL, Ltd., LONDON, S.E.

# The Outline of a Profitable Proposition

THE prices of the genuine  
THERMOS are standardised  
and allow you a liberal margin of  
profit. Our extensive and continuous  
public advertising creates a ready  
demand; sales are fast and frequent.  
We supply catalogues, price lists and  
advertising material for your own  
distribution. Thus we give you a  
good article to sell at a remunerative  
profit and assist you to sell it. This  
is the outline; if it appeals to you  
let us fill in the details.

Write for New Catalogue and Price List.

# THERMOS

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LONDON, E.C.



'Phone: Central 5947.

Wire: "Ultraism London."

# SanaPHOS as a Summer Beverage

T.M. Regd.

Sanaphos is the only easily miscible nerve food.

## "Sanaphos and Soda"

A large demand has arisen for Sanaphos prepared as follows:—To two tablespoonfuls of water add about two small teaspoonfuls of Sanaphos, stir rapidly with spoon or fork and fill the tumbler with soda water.

Recommend this method  
of preparation  
to your customers.

Chemists having Soda Fountains or doing a "cooling drink" business are invited to write for special terms. Sanaphos in large tins, expressly packed for retailing as a summer beverage, can now be obtained. These large tins will be supplied only to chemists, and are not for re-sale to the public.

The British Milk Products Co., Ltd., 69 Mark Lane, London, E.C.

Acetopirin  
**ASPIRIN**  
**ACID**  
ACETYSALICYLIC  
P.B. Quality.  
British Make. Bulk  
and Tablets.

**ARGENTUM**  
**NUCLEINATE**  
(ARGYROL)  
(NARGOL)  
1 oz. & 1 lb. bots.

**CALCIUM**  
**LACTATE P.B.**  
ACID MOLYBDIC  
AMMON.  
MOLYBDATE

**SILVER**  
**PROTEINATE**  
(Protargol)  
P.G.V.  
British Make.

Cable Address:  
"SELGOG  
LONDON."

ESTABLISHED 1870.

Telephone:  
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London Wall.

**JOHN LORIMER**  
**119 Finsbury Pavement, London, E.C.**  
**DRUGS & CHEMICALS FOR ALL MARKETS.**  
Agents Wanted throughout the World.

**DIAMIDOPHENOL**  
(AMIDOL)  
**BISMUTH**  
**SALTS**  
**BROMIDES**  
British Make.

**STYPTIC**  
**PENCILS**  
Stop flow of blood at once.  
SURGICAL FORCEPS.  
MANICURE FLEXIBLE  
FILES,  
RUBBER GOODS  
Etc. Etc.

**FORMALIN**  
Mint Tablets  
**HÆMOGLOBIN**  
**PEPSINES**

Pure  
Milk Casein, with  
Glycerophosphates.  
**VITAGEN**  
Identical in composition and  
in all respects the same  
as the German product  
Sanatogen.

Tins  
same weights  
as Sanatogen.  
**VITAGEN**  
10/6, 16/6, 27/-, 45/-  
per dozen.  
Bulk 3/- lb.

**BARBITONE**  
**HEXAMINE**  
**QUININE**



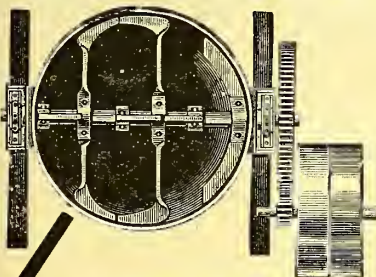
# FRAME FOOD

## REVISED PROTECTED PRICES

	RETAIL PRICE.	MINIMUM RETAIL PRICE.	MINIMUM WHOLESALE PRICE.
FRAME FOOD (old price 7d.)	8d.	8d.	6/9 per doz.
„ „ (old price 1/-)	1/3	1/2½	11/9 „ „
„ „ (old price 3/9)	4/6	4/4	45/- „ „
FRAME FOOD JELLY (old price 10d.)	1/-	11½d.	10/3 „ „

FRAME FOOD CO., STANDEN ROAD, SOUTHFIELDS, LONDON, S.W.

## NEW PATENT MIXING MACHINE

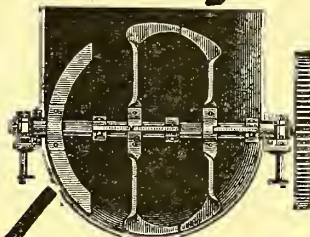


View of Inside from Top.

Cannot fail to be of advantage to you for:—

- 1.—AUTOMATIC SELF-CLEANING.
- 2.—LOWEST POSSIBLE DRIVING POWER.  
(Stirrer Shaft rotates on Roller Bearings.)
- 3.—LIGHTNING MIXING.
- 4.—RAPID EXHAUST.

**W. ROWLANDSON & CO.,**  
MIXING AND GRINDING SPECIALISTS,  
BOUNDARY ST., LIVERPOOL.



Sectional Side View.

Patent 6916.

### TO MANUFACTURING AND WHOLESALE DRUGGISTS, &c.

We beg to call attention to the fact that our well-known Patent Stills are made for heating by steam pressure. Where this is available it forms a very cheap and efficient method of obtaining distilled water. Any pressure will suit from 10 to 200 lb., made in various sizes to produce from 1½ to 15 gallons PER HOUR. Cost of distilled water made this way is practically nil. As with our Gas Stills, these are perfectly automatic. Prices as below:—

For producing up to	1½ gallons per hour, £3 10 0	} +20%
„ 5 „ „	£10 0 0	
„ 9 „ „	£12 10 0	
„ 15 „ „	£16 10 0	

The few most important places we give below afford evidence of the quality, efficiency and economy of the Steam Stills:—National Physical Laboratory, 2 in use; Imperial College of Science 8 in use; University of Wales; Pharmaceutical Society; Guy's Hospital Bacteriological Department; and many of the leading Breweries and Drug Houses, etc.

Pamphlets & particulars forwarded on application

Estimates submitted free if required for supplying and fitting complete.

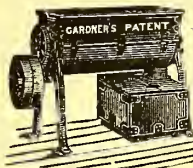
**BROWN & SON, Alembic Works, Wedmore St., Holloway, N.**  
(Late 25 Charlotte Street, N.)

### GARDNER'S PATENT

## “RAPID” SIFTERS & MIXERS

OVER 4,000 working in

almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust



FOR HAND OR POWER.

From 55/- to £90.

CATALOGUES FREE.

**WM. GARDNER & SONS, Engineers, GLOUCESTER.**

# "SANOID" BORACIC SOCKS.

MANY Chemists  
have enjoyed the  
ready sale of  
Boracic Socks,  
which literally

**SELL  
THEMSELVES**



NOW is the time  
to order, so as to  
enjoy a share of  
these

**READY  
SALES**

3/6 per dozen pairs.  
SAMPLE ON APPLICATION.

**CUXSON, GERRARD & CO., Ltd., OLDBURY.**



## CHEMICAL GLASSWARE.

BRITISH MADE.



BRAND.



Manufactured by WOOD BROS. GLASS CO., Ltd., BARNSELY.

STOCK IN LONDON. IN TWO QUALITIES:  
No. 1, for Ordinary Laboratory Purposes. No. 3, Highest Resistant.

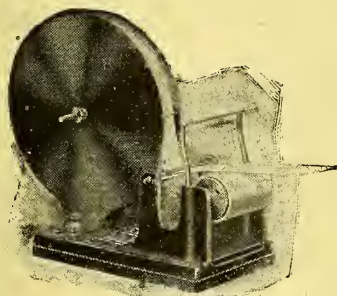
AGENTS:

**WILLIAM TOOGOOD, Ltd., 77 Southwark St., London, S.E.**

PRICE LIST ON APPLICATION.



## HOW do you seal your Parcels ?



This little machine, the "DEMON," will secure them with Gummed Paper Tape **NEATLY, QUICKLY & EFFECTIVELY** at a fraction of the cost of string or sealing-wax.

Send a postcard for particulars to  
**FAIRE BROS & CO., Ltd., Leicester**  
And 19 Fore Street, London, E.C.

## CLINICAL THERMOMETERS.

Best Quality at Lowest Prices

WRITE FOR PRICE LIST.

**40 DIFFERENT KINDS.**

Special Quotations to Wholesale Buyers

## THE "MATER"

LENS FRONT (Regd.)

**CLINICAL THERMOMETER.**

## P.A.T.A.

MERCURY COLUMN SEEN AT A GLANCE.

Made in Two Rapidities, 1 Minute and  $\frac{1}{2}$  Minute.

New Price List of Thermometers for every purpose, post free.

## PERKEN, SON & CO. LTD.

ESTABLISHED 1852.

Contractors to H.M. Government.

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"Indispensable."

## THE EXTRA PHARMACOPŒIA NOW READY.

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REVISED AND ENLARGED.

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"It is a book that is indispensable to the modern pharmacist, and in this case an old edition is not 'just as good.'"—*Chemist and Druggist*.

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FOR SOUND  
AND PRACTICAL  
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IT IS  
UNEXCELLED.

## LIVERPOOL SCHOOL OF PHARMACY

FOUNDED IN 1850  
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LIVERPOOL  
CHEMISTS'  
ASSOCIATION,  
and still  
RECOMMENDED  
by that Body.

PRINCIPAL, H. HUMPHREYS JONES, Ph.C., F.C.S.

JANUARY MINOR PASS LIST	{ PRACTICAL ...	100%
	{ THEORY ...	85%
APRIL MINOR PASS LIST	{ PRACTICAL ...	100%
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**COURSES for APOTHECARIES' HALL and MINOR Exams. have just commenced.**

Full particulars on application to the  
PRINCIPAL, 18 COLQUITT STREET, LIVERPOOL

## INDEX and BUYERS' GUIDE

See page 5.

### PRELIMINARY EXAMINATION for PHARMACEUTICAL STUDENTS

THE College of Preceptors holds Preliminary Examinations in March, June, September, and December. All the Examinations are held in London, Aberdeen, Birmingham, Blackburn, Bristol, Cardiff, Edinburgh, Glasgow, Leeds, Liverpool, Manchester, Newcastle-on-Tyne, and Nottingham. For the June and December Examinations there are other centres, including Blackpool, Brighton, Carmarthen, Cheltenham, Croydon, Exeter, Margate, Plymouth, Portsmouth, Sheffield, Southampton, Southend, Southport, Sunderland, Weston-super-Mare, and York. For Regulations apply to the Secretary, College of Preceptors, Bloomsbury Square, London, W.C.



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THE PREMIER PRESCRIPTION HOUSE.

WE HAVE SPECIAL FACILITIES FOR THE  
EXECUTION OF RIMLESS WORK.

WE HOLD LARGE STOCKS OF:

ROLLED GOLD SPECTACLES AND EYEGLASSES,  
RIMMED AND RIMLESS.

"MENISKEN" LENSES WITH CORRECTLY PRO-  
PORTIONED CURVES, OBVIATING MARGINAL  
ASTIGMATISM AND DISTORTION. HAVE YOUR  
PRESCRIPTIONS MADE UP WITH "MENISKEN"  
LENSES.

CASES:—SPECTACLE AND EYEGLASS, FROG-  
MOUTH, TUCK, SNAP AND SPRING-LID  
PATTERNS, ALL QUALITIES.

TRIAL CASES IN ALL SHAPES AND PATTERNS.

FULL DESCRIPTIVE LIST SENT ON RECEIPT  
OF TRADE CARD.



66, HATTON GARDEN, LONDON, E.C.





# Tetlow's Swan Down Face Powder



**HAS THE LARGEST SALE OF ANY FACE POWDER IN THE WORLD.**

MINIMUM RETAIL PRICE **6½d.** PER BOX. P.A.T.A.

**Price 5/3 per Dozen**

The PROFIT on this article is therefore INCREASED by 1/- per gross. A Bonus of 2 dozen is given to each gross purchased.

Mr. Tetlow has regretfully been compelled to make this advance owing to the enormously increased cost of production and freight.

TETLOW'S SWAN DOWN FACE POWDER has been a staple article in the Perfumery Trade now for many years, and its popularity with the public ever increases. A glance at the figures below will at once show how profitable an article SWAN DOWN FACE POWDER is to handle:—

1 gross Swan Down costs	<b>£3 3 0</b>	1 gross Swan Down sells for	<b>£3 18 0</b>
2 doz.     "     "     Bonus	- - -	2 doz. Bonus     "     "	<b>13 0</b>
	<u><b>£3 3 0</b></u>		<b>4 11 0</b>
		Cost -	<b>3 3 0</b>
		Profit -	<u><b>£1 8 0</b></u>

## HENRY C. QUELCH & CO.

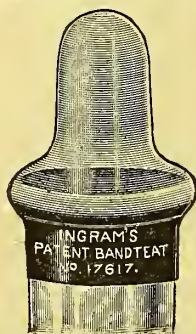
**4 & 5 LUDGATE SQUARE, LONDON, E.C.**

*Profitable and Reliable  
India-Rubber Goods for  
Chemists.*

**INGRAM'S**  
*"Agrippa"*  
PATENT NO. 17617

**Band Teat and Valve**

**BRITISH MADE**  
by  
**BRITISH LABOUR.**



"AGRIPPA" BAND TEAT  
(Black or Transparent  
Rubber)



"AGRIPPA" BAND VALVE  
(Black or Transparent  
Rubber)



**IMPOSSIBLE TO SLIP OFF**  
**PERFECTLY STERILIZABLE**

The "AGRIPPA" Band Teat will fit any shape Feeding Bottle, and will not slip off.

Goods.	Minimum Wholesale Prices to Chemists.	Minimum Retail Prices.
"AGRIPPA" TEAT (Patent No. 17617). Black or Transparent.	2/6 Per Doz. net. 27/6 Per Gross net. (For orders of 3 Doz. and over).	3½d. each
"AGRIPPA" VALVE (Patent No. 17617). Black or Transparent.	2/- Per Doz. net. 22/- Per Gross net. (For orders of 3 Doz. and over).	3d. each

OBTAINABLE FROM ALL WHOLESALE HOUSES.  
*Patentees and Manufacturers:*

**J.G. INGRAM & SON**  
HACKNEY WICK, LONDON, N.E.

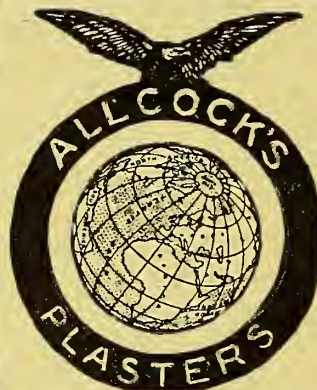
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**PLASTERS**

REMEDY OF 60 YEARS' STANDING.

**Allcock's Plasters**  
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**Bunion Plasters**  
**Brandreth's Pills**

*The  
Three  
Reliables.*



Prices and Terms  
on  
application to

**ALLCOCK**  
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22 Hamilton Sq.,  
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**Surgical Appliance**  
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*Specialities :*

**BELTS, TRUSSES, SUSPENDERS, BRACES,**  
**DRUGGISTS' SUNDRIES.**

*Write for Price List,*



# SOLUBLE QUININE PESSARIES



The "SAFEGUARD" Pessaries (of which we are sole proprietors) are compounded according to a formula which experience has shown to be absolutely the best for the purpose. Nothing but the purest drugs being used in them, they never fail, and can be recommended to customers with the utmost confidence.

## PRICES.

1 Dozen in Box, with directions	...	...	...	...	...	Per Dozen Boxes	£	s.	d.
1 " " in 3 Dozen lots	...	...	...	...	...	"	0	12	0
							0	11	6

### Special Quotations to Shippers and Wholesale Dealers.

5% discount allowed for prompt cash off above prices. Carriage paid on orders of £2 and upwards to any town in the United Kingdom. We are the right House for BRITISH-MADE GOODS—Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber and Vulcanite Goods.

ILLUSTRATED PRICE LIST POST FREE.

OUR GOODS ARE RIGHT.

MONEY BACK IF NOT SATISFIED.

**BURGE, WARREN & RIDGLEY, LTD.,**  
91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

## Sphagnol

for

**SKIN DISEASES  
WOUNDS-SORE FEET**

THE successes achieved by Sphagnol and confirmed by medical practitioners place it right in the forefront as a remedy for Skin diseases. Severe and obstinate cases of Eczema yield to its application. It is prescribed by doctors for Eczema, Psoriasis, Acne, Herpes, Ulceration of the Ears, Blepharitis, Ringworm, Dandruff, Hæmorrhoids and Pruritus. Sphagnol is being used also as a First-Aid dressing for wounds and for sore feet.

Sphagnol Soaps and Ointment have been awarded the Institute of Hygiene's Certificate for Purity, Quality, and Merit.

Chemists are cordially invited to write for full particulars and free samples.

**PEAT PRODUCTS (SPHAGNOL) LTD.**  
19 Queenhithe, Upper Thames St. London, E.C.

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Telegrams: BAILEYS, SMITHY BRIDGE.

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ABSORBENT GAUZE TISSUE,  
COTTON WOOL, BANDAGES,  
LINT, TOW, &c.**

**PATENT FOUR-PLY GAUZE.  
SANITARY TOWELS.**

**BRITISH MADE  
AND  
BRITISH OWNED.**

WHOLESALE ONLY. Write for Samples and Prices.

# "LYSOL" EVANS

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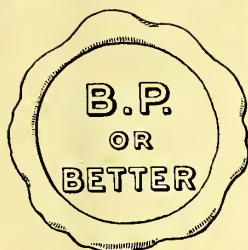
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## Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

#### Wednesday, June 14.

*Pharmaceutical Society of Great Britain, North British Branch*, 36 York Place, Edinburgh, at 3 P.M. Annual meeting of members resident in Scotland.

*Association of Women Pharmacists*, Gordon Hall, Gordon Square, London, W.C., at 7.30 P.M. Annual meeting.

#### Thursday, June 15.

*The Chemical Society*, Burlington House, Piccadilly, London, W., at 8 P.M. The following papers will be communicated: "Studies on the Walden Inversion. Part IV. The Kinetics and Dissociation Constant of Phenylbromoacetic Acid," by Dr. G. Senter and Mr. S. H. Tucker; "Reactivity of the Halogens in Organic Compounds. Part IX. Interaction of Alkalies and Alkali Bromo-acetates and Bromopropionates in Ethyl Alcoholic Solution," by Dr. G. Senter and Mr. H. Wood.

**PHARMACIST VOLUNTEER TRAINING CORPS.**—A dinner will be held at Frascati's Restaurant, Oxford Street, London, W., on Thursday, June 22. Tickets (7s. 6d. each, double 14s.) from Q.M. H. A. Mills, 3 Croxted Road, Dulwich, S.E.

## European War News.

### Enemy Firms to be Wound Up.

Orders have been made by the Board of Trade requiring the undermentioned businesses to be wound up: Walter Sthamer, St. Dunstan's Buildings, London, E.C., dealer in chemicals and drugs. *Controller*: James Fraser, 31 Copthall Avenue, London, E.C. Badische Co., Ltd., 2 Samuel Ogden Street, Whitworth Street, Manchester, aniline dyes. *Controller*: W. E. Mounsey, 3 Lord Street, Liverpool. Bayer Co., Ltd., 20 Booth Street, Manchester, aniline dyes. *Controller*: Stanley Pearson, 13 Spring Gardens, Manchester. The Berlin Aniline Co., Ltd., 30 Princess Street, Manchester, aniline dyes. *Controller*: Percy Higson, 42 Spring Gardens, Manchester. Kalle & Co., Ltd., 25 John Dalton Street, Manchester, aniline dyes. *Controller*: William Eaves, 15 Fountain Street, Manchester. Westendarp & Co., Dunster House, Mincing Lane, London, E.C., dealers in ivory. *Controller*: T. A. Fox, 79 Mark Lane, London, E.C.

### Enemy Patents and Trade-marks.

Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, have applied to the Patent Office for the avoidance or suspension of the grant of licences to use the salvarsan and neo-salvarsan patents belonging to the Farbwerke vormals Meister, Lucius & Brünig and the Curatorium der G. und F. Speyerschen Studienstiftung (3934/07, 13485/10, 5595/11, 7865/12, 8219/12). Applicants are also applying for the use of trade-marks 310235 (salvarsan) and 340337 (neo-salvarsan), belonging to the Farbwerke vormals Meister, Lucius & Brünig. The hearing takes place at the Patent Office on June 15. Mr. T. Kerfoot and Mr. E. H. Kerfoot are also applying for the use of patent 17162/05 ("aminobenzoic acid alkalamine esters and derivatives thereof"), belonging to the German company mentioned above. The hearing in this case takes place on June 15. Boot's Pure Drug Co., Ltd., Nottingham, are applying for the avoidance or suspension of trade-marks 246802 ("Sanatogen," Class 42), 257583 "Sanatogen," Class 3), and 264704 ("Formamint" in fancy type), belonging to J. A. von Wulffing. The hearing in this case takes place on June 14.

### Import and Export Notices.

**EAST AFRICA.**—The export of beeswax, magnesite, caustic or lightly calcined and dead-burnt magnesite, magnesium and its alloys has been prohibited to all destinations other than the United Kingdom, British Possessions and Protectorates.

**INDIA.**—The Board of Trade have received a copy of a telegram from the Government of India, reporting that the export of lac of all kinds, not including lac dye, has been prohibited from British India to all destinations except the United Kingdom, British Possessions and Protectorates, with effect from May 13. [The exportation of lac of all kinds, including shellac, gum lac, and sticklac, but not including lac dye, was previously prohibited to all countries in Europe, and on the Mediterranean and Black Seas, other than the United Kingdom, Russia (except the Baltic Ports), France, Italy, Spain, and Portugal.]

**ITALY.**—A decree is published prohibiting the import into Italy of mineral waters, sparkling wine, spirits, and perfumery, including perfumed soap.

**NETHERLANDS.**—The exportation of olive oil and train oil has been prohibited as from May 23.

**UNITED KINGDOM.**—A Proclamation published in the "London Gazette," June 2, prohibits, *inter alia*, from June 8, the importation into the United Kingdom, unless under a licence from the Board of Trade, of beer, matches, cash-registers, hops, and toilet-articles containing glycerin. The prohibition imposed on starch, dextrin, farina, and potato-flour is removed as from June 8. See p. 43.

### Tobacco Imports.

The Department of Import Restrictions of the Board of Trade, 22 Carlisle Place, London, S.W., has issued regulations for the importation of tobacco between June 1, 1915, and May 31, 1917. Imports will be restricted to the extent of not more than one-third of the quantity imported in 1915, and licences will only be granted to those who imported tobacco in that year. Such importers are required to make a statutory declaration of their importations during 1915, setting out the quantities in pounds, net, distinguishing goods (a) from H.M. Dominions, (b) from other countries, and excluding goods imported for transshipment and entered in transit. In case tobacco is imported by an importer or merchant for sale, he shall be under the obligation, in the first instance, to offer his importations to customers who purchased from him in 1915 in proportion to their purchases from him in that year.



**Miscellaneous.**

**PRIVATE PHILIP TORRANCE**, of the Worcestershire Regiment, formerly assistant with Mr. T. S. Qualtrough, chemist and druggist, Douglas, Isle of Man, has been wounded.

**ENEMY TRADING FIRMS.**—The Controller of the Foreign Trade Department has issued the latest additions to the statutory list of firms of enemy origin or association with whom persons in the United Kingdom are forbidden to trade under the Trading with the Enemy (Extension of Powers) Act, 1915. It includes firms in Argentina, Bolivia, Brazil, Chile, Denmark, Netherlands, Netherlands East Indies, Norway, Paraguay, Peru, Philippine Islands, Portugal, Portuguese East Africa, Spain, and Sweden.

**Military Tribunals' Decisions.**

The following is a selection of the cases of trade interest which have been reported since our last issue:

**ABERLOUR.**—Mr. G. MacPherson Smith, chemist and druggist, was exempted until August 31.

**BEKHAMSTED.**—Mr. H. H. Dickman, chemist and druggist, partner with Mr. E. C. Cripps, chemist and druggist, was granted two months' exemption.

**BEKMONDSEY.**—Meggeson & Co., Ltd., wholesale druggists, Llewellyn Grove, New Church Street, S.E., appealed for the exemption of four employes. These were a counter-man, who is in charge of the country department; a warehouseman, in charge of the despatch department for London; a wet-drug counterman, and a counterman and chemical-packer. The Tribunal granted three months' exemption to the warehouseman and the wet-drug counterman, and two months' to the counterman, but refused the application for the fourth employe.

**BOURNE.**—Mr. Cyril H. M. Baxter, chemist and druggist, of Mills & Baxter, was granted conditional exemption; and Mr. Sidney Harrison, assistant to Mr. E. H. Judge, chemist and druggist, was exempted until October 11.

**CANTERBURY.**—Mr. A. V. Lester, chemist and druggist, Station Road West, was granted conditional exemption. The business has been opened two years, and the Military Representative suggested that applicant should try to dispose of it.

**CARLISLE.**—Mr. John Hunter, chemist and druggist, who has two shops in Bank Street, was refused exemption for his son, the only assistant.

**CHISLEHURST.**—Mr. W. A. Hudson, chemist and druggist, with Prebble & Bone, was granted three months' exemption.

**DALBEATIE.**—Mr. George Campbell, chemist and druggist, was granted exemption until November 28.

**DOVER.**—Conditional exemption was granted, on the recommendation of the Kent Insurance Committee, to Mr. A. E. Silverthorne, chemist and druggist, with the Timothy White Co., Ltd.

**EVESHAM.**—Conditional exemption was granted to Mr. B. G. G. Alabone, assistant with Mr. W. J. Craven, chemist and druggist, who is engaged in Insurance dispensing and in horticultural spraying.

**GILLINGHAM (KENT).**—Three months' exemption was granted to Mr. W. Kerr, with the Timothy White Co., Ltd., and to Mr. R. S. Hardie, chemist and druggist, High Street.

**HEMEL HEMPSTEAD.**—Mr. T. H. Dean, chemist and druggist, applied for the exemption of his assistant, Mr. S. W. Kemp. Three months' exemption was granted, but the Military Representative stated that he should appeal.

**HITCHIN.**—Conditional exemption for six months was granted to Mr. A. E. Banham, chemist and druggist, Walsworth Road.

**HOUNSLOW.**—Parke, Davis & Co. applied to the local Tribunal for the exemption of a stockkeeper, three clerks, and a machine-man, pleading that 50 per cent. of the trained staff are already serving, and that they had barely sufficient men to carry out their Government contracts, to say nothing of their export trade. It was explained that twenty-three badges had been removed from men in their employ. Conditional exemption was granted to the stockkeeper, a married man passed for sedentary occupation, but the others were refused.

**KENILWORTH.**—Mr. A. E. Smith, chemist and druggist, engaged in Insurance dispensing, was granted conditional exemption until October 1.

**LEWISHAM.**—Mr. F. S. Hankinson, Cash Pharmacy, 62 Brockley Rise, Honor Oak Park, S.E., was granted three months' exemption.

**ST. ALBANS.**—Mr. Pierce H. Warren, chemist and druggist, who is an Insurance dispenser and radiographer at the hospital, was granted conditional exemption.

**SOUTHWARK.**—Mr. R. Roberts, Ph.C., Walworth Road, S.E., applied for the exemption of an assistant who had been in his employment for twenty-four years. Conditional exemption was granted on applicant joining the Volun-

teer Training Corps.—Mr. F. H. Lewis, secretary and manager of Eucryl, Ltd., manufacturers of toilet-specialities, 246 Borough High Street, S.E., was granted conditional exemption.

**STOURBRIDGE.**—Mr. J. Chance, assistant with Mr. G. S. Simpkins, chemist and druggist, 75 High Street, was granted three months' exemption.—Mr. S. Tooby, manager of the drug department of Cooke, Ltd., was granted three months' exemption.

**TOTTENHAM.**—Mr. J. Wallace Simpson, chemist and druggist, manager of the High Cross Pharmacy, was refused exemption. Mr. Simpson informs us he has joined the Wireless Telegraphy Branch of the Navy.

**TUNBRIDGE WELLS.**—Conditional exemption was granted to Mr. T. G. Batting, chemist and druggist; Mr. A. P. Bridger, chemist's assistant; Mr. T. Crichton, chemist and druggist; and Mr. W. E. Hallows. Boots, Ltd., was refused exemption for a warehouseman. Mr. J. G. Murray, chemist and druggist, was granted three months' exemption.

**WALMER.**—Exemption until August 29 was granted to Mr. S. E. Thomsett, chemist and druggist, manager for Mr. H. Wood, chemist and druggist.

**WALTON-ON-THAMES.**—Two months' exemption was granted to Mr. G. G. Marshall, chemist and druggist, with Mr. F. Cherry, Ph.C.

**WEST BROMWICH.**—Certificates of exemption have been granted to the following chemists: Messrs. Rex Allen, G. Griffith, J. Haddock, C. W. Kemsey-Bourne, and J. Harper (manager for Martyn's Stores).

**Trade-marks Applied for.**

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

(From the "Trade-marks Journal," May 17, 1916.)

"**ZOPLA**"; for medicinal chemicals (3). By Leslies, Ltd., 18 Eldon Street, E.C. 372,513.

"**MAMETTE**"; for all goods (3, 38, and 40). By Evans Sons Lescher & Webb, Ltd., Liverpool. 372,557/559/560.

"**AMESES**"; with picture of same; for indiarubber goods (11). By W. Haskell, 8 Lloyd's Avenue, E.C. 372,036.

"**NINKOLINE**"; for all goods (39). By the General Kaputine Syndicate, Ltd., Manchester. 372,484.

"**PATRIA**"; for all goods (40). By I. S. Daniels, 5 Market Street, Finsbury, E.C. 372,006.

"**CRITIC**"; for perfumery, etc. (48). By R. Dixon & Co., Ltd., Canal Street, Rochdale. 372,296.

"**POLMAR**"; for perfumery (48). By P. Marks & Co., Ltd., 23-24 Old Bailey, E.C. 372,358.

"**CARICIA**"; for perfumery, etc. (48). By Yardley & Co., Ltd., 105 Carpenter's Road, Stratford, E. 372,521.

"**TEKALOID**"; for furniture cream and polishes (50). By Thornley & Knight, Ltd., 132 Bordesley Green Road, Birmingham. 372,443. (Associated.)

(From the "Trade-marks Journal," May 24, 1916.)

Circular device with word "NONON"; for a boiler-scale preventive (1). By R. H. Pickles & Co., Droylesden, Lancs. 372,305.

"**WEYKUP**"; for a metal-preservative (1). By C. A. F. Cresswell, 35 Piccadilly, W. 372,542.

"**ANTISEPTICO MACDOUGALL**"; and circular device of arm and snake; for antiseptics (2). By McDougall Bros., Ltd., Manchester. 372,171. (Associated.)

"**REGELIN**"; for chemicals (2), and for perfumery, etc. (48). By Regesan, Ltd., Nottingham. 372,547/8. (Associated.)

Picture of bath and pine-trees; for a medicated fluid extract (3). By R. G. Edwards, 20-26 Lamb's Conduit Street, W.C. 371,741. (Associated.)

"**IROK**"; for cough-balsams and a tonic (3). By H. F. Moore, 134 Royal Avenue, Belfast. 371,719.

"**MICHAEL BELL**" and portrait; for medicines (3). By M. Bell & Co., Horsforth. 371,744.

"**CLEARGENE**"; for medicinal chemicals (3). By E. H. Holden, 1 Featherstall Road North, Oldham. 372,200.

"**ZEE-KOL**"; for medicines (3). By Violet Nathan, 30 Bel-size Park, N.W. 372,390.

Miniature of Mary Queen of Scots; for medicinal chemicals (3), and for goods (47). By Boot's Pure Drug Co., Ltd., Nottingham. 372,589/90.

"**UMBROSE**"; for medicinal chemicals (3). By Allen & Hanburys, Ltd., Plough Court, E.C. 372,648.

"**TAMARETS**"; for medicinal pills (3). By W. W. Brown, 26 Haymarket Terrace, Edinburgh. 372,658.

"**QUALA**"; for indiarubber sponge-substitutes (40). By Rubber Sponges, Ltd., 15 Angel Court, E.C. 372,412.



## English and Welsh News.

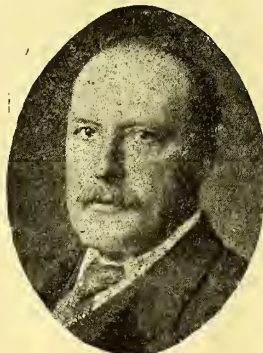
Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Birthday Honours.

King George V. was fifty-one on Saturday, June 3, and, as is customary on such occasions, honours were conferred upon many. The Right Hon. A. J. Balfour, M.P., F.R.S., receives the Order of Merit on account of his philosophical and literary achievements. Dr. Christopher Addison, M.P., Parliamentary Secretary to the Ministry of Munitions, is made a Privy Councillor. Dr. Addison and Mr. W. S. Glyn-Jones worked together in medical and pharmaceutical matters, especially in connection with the National Insurance Act. Knighthoods are conferred upon Dr. G. T. Beilby, F.R.S.; Mr. Thomas Collins, Chief Inspector, Board of Inland Revenue; Mr. W. Gallagher, Chief Inspector of the Board of Customs and Excise; Mr. F. M. Farmer, L.D.S., Wimpole Street, W.; and Professor Nestor Tirard, M.D. Dr. Beilby is the distinguished chemical engineer, and is an original member of the Society of Chemical Industry, of which he was President in 1898-99.



DR. G. T. BEILBY.



PROFESSOR NESTOR TIRARD.

He was formerly connected with the shale-industry in Scotland, and is distinguished as an inventor and promoter of processes in chemical-industry. Early in his career he patented the Young and Beilby retort for the manufacture of mineral oil from shale, which restored the languishing mineral-oil industry of Scotland to one of primary importance. He is also a Past President of the Institute of Chemistry, a Vice-President of the Chemical Society, and has been President of the Chemical Section of the British Association. Sir William Gallagher, I.S.O., as Chief Inspector of Customs and Excise, has become known to leading members of the drug-trade during the past few years, and is much esteemed for his helpful advice, wide knowledge of practice, and fair dealing. Professor Nestor Tirard has been doing good service to the Government, as a medical adviser since the war broke out. The honour is conferred upon him in his capacity as Secretary of the Pharmacopœia Committee of the General Medical Council, and as medical editor of the *British Pharmacopœia*, 1914. Sir Nestor Tirard is Professor of the Principles and Practice of Medicine in King's College, London, and is one of the senior physicians at King's College Hospital. He is a M.D. of the University of London, and is in practice in Harley Street.

### June Prices.

The Birmingham Pharmaceutical Association's list of minimum prices of drugs and proprietary articles, to come into effect from June 1, has been issued by Mr. Henry H. Marshall, Hon. Secretary of the Committee. Nearly 100 per cent. of the drug-trade (individuals, firms, and companies) in Birmingham and district are working amicably in this matter, and any who have not signed the agreement should communicate with Mr. Marshall, 128 Alcester Road, Moseley, Birmingham, who will send a form for their signature and supply the list regularly. A specimen copy of the list will also be sent to the Secretary of any local Association who asks Mr. Marshall for it. It is worth having, and gives prices for 1-oz., 4-oz., and 1-lb. quantities of drugs, occupying a foolscap page; also prices of proprietaries and packed goods, alterations and additions being indicated. The list is "Private."

The West Bromwich Pharmaceutical Association notifies the following minimum prices:

Comp. liquorice-powder, 5d.  $\frac{1}{2}$  lb., 1s. 6d. lb.; magnes. citras eff. (so-called), 4 oz. 8d.,  $\frac{1}{2}$  lb. 1s. 2d., 1 lb. 2s. 2d.; Seidlitz

powders, 1 $\frac{1}{4}$ d. each, two for 2 $\frac{1}{4}$ d., boxes of 12 1s., and  $\frac{1}{2}$  doz. 6 $\frac{1}{2}$ d.; seltzogene charges, boxes of 12 3s. 3d., 4s. 6d., 6s. 6d., 3, 5, and 8 pint respectively; chloride of lime, 4-oz. pkts., 1 $\frac{1}{4}$ d.; sugar of milk, 1 oz. 1 $\frac{1}{4}$ d., 4 oz. 5d., 1 lb. 1s. 6d.; Fellows' syrup, 3s., 5s.; Coutts' acetic acid, 1s. 6d., 2s. 6d.; Dinneford's fluid magnesia, 10 $\frac{1}{2}$ d.; Kolynos, 1s.; Cuticura soap, 1s.; Valentine's meat-juice, 3s. 1 $\frac{1}{4}$ d.; Lamplough's saline, 2s. 2d.; Eno's Fruit Salt, 2s., 3s. 6d.

### Royal College of Veterinary Surgeons.

The annual meeting of the College was held at 10 Red Lion Square, London, on Wednesday, June 7, the President (Mr. F. W. Garnett) in the chair. The Council reported that the number of students examined for the membership diploma in 1915 was 236, compared with an average of 348 for the past twelve years. The passes numbered 212 last year. In the reconsideration of the Preliminary Educational examinations it had been decided to take Latin out of the list of compulsory subjects and to include it as an optional subject. If Latin is not taken, however, two other languages must be given. In this matter the College follows the example of the University of London.

### Birmingham.

Solihull Relief Fund, of which Mr. Martin Magor is Hon. Secretary, received 18s. 9d. from the weighing-machine of Mr. J. L. Hall, chemist and druggist. This is his fourth subscription.

Where lady helpers used to be rare in chemists' shops, they have become the rule. Many wives are being trained to help, and it is astonishing how rapidly they pick up the minutiae of the calling.

The question of apprenticeship is likely to become prominent again. The Birmingham City Council are to discuss the whole subject at an early sitting. Will Councillor Poole speak in regard to pharmacy?

Mr. H. O. Lloyd, chemist and druggist, 323 Coventry Road, Birmingham, has relinquished the Rexall agency as well as the secretaryship of the Birmingham Rexall Club and the same office in the Minimum Prices Committee of the Midland Pharmaceutical Association.

A fire broke out at the motor-spirit store of Thornley & Co., Ltd., Snow Hill, on Wednesday, May 31. It was soon put out, but the trams were stopped on the Snow Hill side, and the Steelhouse Lane trams were diverted; other things happened, but business was not much interfered with.

### Liverpool.

Mr. A. D. Rutters, Seaforth, gives considerable window-space to Ayerton's lemonade-tablets, which are pretty freely shown in the city.

One qualified assistant has been left by the Military Tribunal to each pharmacist who has applied, irrespective of the extent of the business.

Mr. W. Ashworth, Seaforth, adds to his window devoted to garden-seeds a section for bird-seeds, the latter being indicated by models of canaries ingeniously fashioned out of paper.

Both wholesalers and retailers who commonly close on Whit-Monday have given notice to "remain open as usual on Whit-Monday." In some cases the extra holiday on Tuesday, August 8, is notified.

During the past fortnight between 25,000 and 30,000 tons of whale oil has arrived in the Mersey, mostly from the South Shetlands. Previous to the war this oil was conveyed from the fishery-grounds to Continental ports.

Mr. H. Humphreys Jones, F.C.S., has been elected a member of the Literary Committee of the Birkenhead National Eisteddfod, 1917. He has offered a prize of seven guineas for an essay on "Plants Cultivated or Collected in Wales within Living Memory for Medicinal Purposes: Their Method of Preparation and the Virtues Commonly Ascribed to them." Professors R. W. Phillips, D.Sc., Bangor (an ex-examiner of the Pharmaceutical Society), and J. Lloyd Williams, D.Sc., Aberystwyth, have been asked to adjudicate. Sir Edward Evans has promised to present to the Committee one of the principal trophies—viz., a silver crown—which, with a money prize, is offered annually for a poem on a selected subject.

Only a few hours before the wind arce and the rain fell to dash the splendid show of rhododendrons, the "At Home" given by Mr. William P. Evans and Miss Evans (his sister) at Club House, Bidston Hill, had been enjoyed by members of the Council of the Liverpool Chemists' Association. The guests were joined on arrival at Docks Station by Mr. Evans, Miss Evans meeting the party at the gates of the house. After inspecting from various points the five acres of grounds in which the rhododendron display will soon be followed by the blooming of the gorse, and later by that of the heather, the



guests ascended the hill as far as the Observatory. Supper was served in good time to enable the visitors to return by the 10.9 p.m. train to Liverpool. The guests included Messrs. A. W. Ashcroft (Aigburth), John Bain, W. H. Clubb, D. H. Evans (Lodge Lane), J. L. Hirst, H. Lomax (Edge Lane), T. E. Lloyd (Garston), L. Moreton Parry (member of P.S. Council), and W. Wellings (Hon. Treasurer). Informal thanks were tendered, there being no toasts or speeches. Messrs. G. Inman, Humphreys Jones, G. Kennedy, and W. F. Laycock were unavoidably absent.

#### Sheffield.

The heavy trades of Sheffield are working over the Whitsuntide holiday, and the chemists are generally keeping open as usual.

Dr. Barnes, who is a captain in the R.A.M.C. and Acting Secretary to the Panel Committee, has been ordered to Salonica. The duties of Lieut.-Colonel Mackinnon, the Secretary, are to be taken over by Dr. Mylan.

Mr. J. H. Davis, of Woodthorpe, who attested under Lord Derby's scheme, and is representative in Sheffield and district for Burroughs Wellcome & Co., has been placed on munition-work instead of falling-in with the Colours.

The Inland Revenue authorities are coming down on Sheffield chemists, so far as income-tax is concerned. Knowing that the heavy trades are turning out record work, they think they may be able to haul in a little from the pharmacist by way of excess profits, and in some cases special stocktakings are being made to satisfy them.

#### Miscellaneous.

**FIRE.**—A fire broke out on Monday afternoon in the new premises of Boots, Ltd., Nottingham, which are being used as a chemical factory. Much stock was destroyed, and the building damaged to the extent of 600l.

**MILITARY ABSENTEE.**—At Burnley on June 2, Thos. Cronshaw (29), chemist's assistant, was fined 40s. and handed over to the military authorities as an absentee from the Army Reserve, under the Military Service Act.

**BELGIAN DOCTORS' AND PHARMACISTS' RELIEF FUND.**—The following subscription has been received since the last list was published: Collected from the members of the S.W. London Association, per Mr. John Keall, 25l.

**DISPENSING IN BRADFORD.**—Miss Tilson, dispenser to the Bradford Guardians, has been granted leave to act as dispenser at the local War Hospital, but on two afternoons per week she is to supervise the Guardians' dispensary at Bowling Park Colony.

**CHOKED BY SULPHUR.**—At Newport (Mon.) on June 6, a nine-year-old girl named Ethel Watts died from asphyxia. It was stated at the inquest that sulphur had been blown into the child's mouth as a cure for throat-trouble, and that this was the cause of death.

**MEDICINAL HERBS.**—Carlisle had a meeting recently about the collection of herbs. It was at Tullie House, and Mr. L. E. Hopo there is to give information to collectors. Coltsfoot, dandelion, broom, elder-flowers, foxglove, yarrow, dog's mercury, meadowsweet, and male-fern are to be gathered.

**MEDICAL STUDENTS.**—The General Medical Council states that at present there are 6,103 medical students receiving instruction at approved teaching institutions, the men numbering 4,724 and the women 1,379. Of these 2,058 are in the first year, 1,078 in the second, 1,905 in the third and fourth, and 1,062 in the final year of the curriculum.

**THE LEEDS COMMITTEE** of the National Relief Fund registered forty-five new applications from the dependants of soldiers and sailors last week. During the week twenty-nine books entitling the recipients to free medical attendance and medicine were issued. The total number of medical books that have been issued up to date is 11,557.

**POISONINGS.**—Since our last issue the following cases have been reported: At Walton, Liverpool, a dispenser's wife, who was found dead in bed, is thought to have died from morphine-poisoning, but the inquest has not yet been concluded. Two men, who drank methylated spirit at Salford Docks, under the idea that it was whisky, died from the effects.

**LIGHTING REGULATIONS.**—At Derby on May 31, Alfred Hyde was fined 10s. for a breach of the Lighting Order at 193 Osmaston Road, the premises of Mr. W. Elmitt, chemist and druggist. It was explained that by inadvertence defendant had left the gas-jet burning all night.—Mr. A. J. Gray, chemist and druggist, Hawkhurst, Kent, was fined 20s. on June 1 for a breach of the Lighting Order.

**WHITSUN HOLIDAYS.**—The usual Whit-Monday holiday would have been on June 12, but in consequence of the postponement by the Government practically all business

houses are following suit. This applies to the wholesale and retail sections of the drug-trade in England, Ireland, and Wales, and as there is no such Bank Holiday in Scotland business as usual will be universal next Monday.

**TENDERS.**—The Stoke Joint Hospital Board has accepted the tenders of J. D. Furnival & Co., Ltd., and Evans Sons Lescher & Webb, Ltd., for periodical supplies of drugs; also the tenders of Parke, Davis & Co. and J. D. Furnival & Co. for supplies of serum.—Holborn Guardians on June 7 accepted the tender of Corbyn, Stacey & Co., Ltd., for drugs to their establishments during the next three months.

**LONDON COLLEGE OF PHARMACY.**—In the botanic garden of the College there is at present a plentiful supply of the following plants: White bryony, belladonna, bittersweet, fennel, conium, rue, aconite, broom, salix, cherry laurel, marshmallow, lavender, horseradish, licorice, comfrey, alkanet, isatis, aristolochia, tradescantia, centranthus, lupin, yew, sambucus, etc. Students requiring specimens of any of these can be supplied by stating what they want and sending P.O. for 1s. to cover postage and packing; or free by calling at the College, 361 Clapham Road, S.W.

**EARLY CLOSING.**—The Home Secretary has confirmed an Order for chemists and druggists at Stratford-on-Avon to close at 7 p.m. on Monday, Tuesday, and Wednesday; 1 p.m. or 7 p.m. on Thursday; 8 p.m. on Friday; and 9 p.m. or 1 p.m. on Saturday.—Chemists at Harpenden (Herts) have decided to close at 7 p.m. on Monday, Tuesday, Thursday, and Friday; 1 p.m. on Wednesday; and 9 p.m. on Saturday.—The chemists and druggists of Bradford having petitioned the Corporation Health Committee to make a closing-order fixing the hours on the several days of the week, the Town Clerk is to take the necessary steps.

**AT BAILDON, NEAR BRADFORD,** where there are 1,600 insured persons, the only chemist's shop in the place is that of Mr. Harry Robinson and his son. Mr. Robinson, jun., is called up to the Army. Mr. Robinson, sen., is manager of a local branch-bank, and finds himself unable to continue Insurance dispensing, which fact he has intimated to the Committee. The nearest chemist is at Shipley, two miles away. The matter was considered by the Shipley Insurance Committee last week, and it was decided to call the attention of the West Riding Committee to the matter and to interview Mr. Robinson.

## Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

#### Brevities.

It is expected that all qualified proprietors and managers of pharmacies on the East Coast will be exempted from military service.

The Perthshire branch of the Herb-growing Association has taken a shop at 52 George Street, Perth, as a depot for receiving herbs.

The Stirlingshire Medical Association has decided to discontinue free attendance on the families of sailors and soldiers. After June 30 the following fees will be charged: 1s. per visit where the weekly income of the family is 21s. or under, 1s. 6d. for between 21s. and 30s., and 2s. when the income is over 30s.

#### Dundee.

The aerated-water tax realised locally nearly 600l. during the month of May.

Local medical practitioners last week decided that the minimum fee for a visit or consultation should be 2s.

A house-to-house distribution of Mr. James Anderson's new cash price-list (112 pages) is being made at present. Under the heading of "Special Proclamation" intimation is made on the front cover that he has been appointed dispenser for the district under the National Insurance Act.

Lieutenant John W. A. Steggall, a naval instructor on the *Invincible*, went down with his ship in the battle. He was only son of Professor Steggall, University College, Dundee, and a grandson of the late Daniel Frazer (Frazer & Green, Ltd.), Glasgow. He was educated at Fettes College and at the Dundee University College, from which he took his science degree, afterwards taking up engineering.

#### Edinburgh.

A sphagnum-moss cleaning centre is being established in Musselburgh, and the Town Council have given the old Burgh Hospital for the purpose.



A local doctor reports that sol. hydrogen. peroxid. (20 vol.) is an excellent preparation for stopping bleeding. He finds it answer even better than sol. adrenalin. co.

A customer, whose son is with the Colours somewhere in England, says that his boy has tried to obtain Christison's pills from chemists near the camp without success.

#### Glasgow and the West.

The "Sanaphos" special window-display is occupying many chemists' windows at present.

Mr. F. Thompson, the "Homo" Pharmacy, 17 Gordon Street, Glasgow, is removing to 11 Gordon Street.

With the arrival of June has come a brisk demand for hay-fever remedies, the result of city men assisting the farmers.

At a meeting of the Hospitals Committee of the Corporation, it was agreed to recommend that the salary of Mr. Thos. J. Muir, dispenser, Ruchill Hospital, be increased from 150*l.* to 170*l.* per annum.

Dumbarton chemists are now devoting more care and attention to window-dressing. Messrs. John Babbie, P. Mitchell, Sutherland, and Hudson all have nice seasonable displays of salines and toilet-requisites.

The Town Clerk advertises the fact that any objections to the proposed closing-hours for chemists' shops have to be notified to him in writing before July 5, also that occupiers of such shops may ascertain if their names are on the Register by calling at his office, City Chambers, between 10 and 4 daily except Saturdays—10 and 12.

The suggestion has been circulated in the city that efforts should be made by the Pharmaceutical Society and leading men in pharmaceutical circles throughout the country to approach the War Office with a view to organising a Pharmacists' Section from among qualified chemists who have to join the Forces. Such an organisation of qualified experienced pharmacists would be invaluable to the Army and Navy, and would be making the best use possible of their scientific and business training by placing them in positions for which they are eminently qualified. [The War Office has discouraged all efforts to particularise pharmacists in military service, and there is little hope of anything pharmaceutical being done now. Mr. W. S. Glyn-Jones, M.P., tried it months ago.—EDITOR C. & D.]

## Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

#### July Examinations.

The Pharmaceutical Society of Ireland has fixed the following as the dates for lodging applications: Thursday, June 22, for the Preliminary examination; Tuesday, June 27, for the Registered Druggist examination; Wednesday, June 28, for the Pharmaceutical Licence examination; Monday, July 3, for the Pharmaceutical Assistant examination. Applications should be lodged with the Registrar by 11 A.M. on the respective dates.

#### Brevities.

Mr. S. A. Keane, registered druggist, has purchased the business of D. Smithwick & Co., High Street, Kilkenny.

At the monthly meeting of the Limavady Urban Council, held last week, Mr. G. W. Lawson, R.D., was co-opted a member.

At the annual meeting of Magherafelt Board of Guardians on June 3, Mr. J. E. O'Neill, J.P., druggist, Maghera, was unanimously elected Chairman.

At the annual meeting of the Irish Methodist Benefit Society (Insurance Act), Mr. R. J. Edwards, Ph.C., Shaftesbury Square, Belfast, was elected on the Committee.

Surgeon Hugh F. McNally, who perished in H.M.S. *Hampshire* with Lord Kitchener on June 5, was a native of Belfast, and a graduate of Queen's University. He served his apprenticeship with Mr. M. McDonald, Ph.C., Donegall Street, Belfast, and subsequently took up the study of medicine, obtaining his M.B. degree last year.

The voting in connection with the proposed early-closing order for the drug-trade in Belfast showed that out of 119 shopkeepers eighty voted for and sixteen against. The Corporation is now taking the necessary steps to have the application of the Ulster Drug-trade Association for the order complied with, provided it is found that two-thirds of the trade agree. The vote mentioned was taken by circular by the Association.

## Colonial and Foreign News.

**FOOD AND DRUGS ORDINANCE.**—An ordinance is to be introduced into the Legislative Council of Rhodesia to make provisions for the sale of food and drugs in a pure state.

**MANUFACTURE OF ANILINE DYES AND COLOURING-SUBSTANCES.**—The French Minister of Commerce announces the formation of a Commission, of which he is President, which will be charged with giving practical effect to various proposals for organising the industry of colouring-substances. The body in question is composed of ten prominent chemists, engineers, and experts, among them being Professor Béhal, Director of the Office of Chemical and Pharmaceutical Products, formed in Paris since the war commenced. The new Commission is to proceed to London shortly for the purpose of conferring with the British authorities and also with the manufacturers interested in the production of dyes.

**RUSSIAN PHARMACY.**—It is reported that a great improvement has taken place in the production of medicinal chemicals in Russia. In Moscow a new factory for the production of pharmaceutical preparations has been constructed, and is carried on under the control of the Moscow Letonian Association; in Nijni-Novgorod hexamine (urotropin) is being largely produced; and at Kazan the Town Council is completing a factory for the production of phenol, salicylic acid, and salicylates, including aspirin and salol. It is expected that a conference promoted by the Imperial Kazan University will shortly be held of all persons in medical and scientific circles interested in medical supplies. Something in the nature of a famine has been experienced, and it is hoped to alleviate that considerably.

## India and the East.

(From the "C. & D." Correspondents.)

**WORMSEED OIL.**—Supplies of American wormseed oil are being shipped direct to Ceylon, in order to cope with the outbreak of ankylostomiasis in Matala.

JAPAN is doing well in supplying Russia with medicines, a considerable quantity of which has been received in Japan from the United States and transferred to Russian firms.

A LARGE QUANTITY of chemicals and drugs, which was being shipped to Ceylon for the Civil Medical Department, was wrecked in the *Chantala*, but the shipment is being repaired from England.

**COCAINE IN CALCUTTA.**—Captain W. J. Clifford, in the course of a lecture at the University Institute, Calcutta, stated that the cocaine-habit in India was still on the increase. Formerly, he said, supplies came from Germany and Austria, and it would be interesting to know from what source the drug now comes.

THE SHIPMENT OF COCONUT OIL from Ceylon to America is allowed in reasonable quantities to approved consignees, provided that an equivalent quantity of glycerin is exported from United States to the United Kingdom. The consignee or his authorised agent in the United Kingdom will be required to comply with the conditions laid down by the War Trade Department as to price, quality, etc., of glycerin.

**SALTPETRE.**—The Indian Governor-General in Council has prohibited the export of saltpetre from India, except under permit. Such permits will be granted for export to the United Kingdom, provided that the application is supported by proof that the amount tendered for export has been sold to or has been offered for sale to Charles Wimble, Sons & Co., 21 Mincing Lane, London, E.C., at free-on-board prices not exceeding certain maximum rates.

**BETA NAPHTHOL IN ANKYLOSTOMIASIS.**—Discussion is taking place in the "Ceylon Observer" as to the relative merits of various remedies in the treatment of hookworm. We noted recently that American oil of wormseed was being used in place of santonin, as the latter was unobtainable. Now it is reported that beta-naphthol tablets are being used with success, one planter having ordered 40,000 from the makers to treat his coolies with, on the advice of a European doctor. [This must have been before or early in the war period, as we understand that beta-naphthol is extremely scarce.—ED.]

**PREFERENCE FOR BRITISH GOODS.**—The Queensland Government have decided to grant a 5-per-cent. preference to goods of British manufacture over all foreign goods in connection with the supplies for the public service of Queensland.



## Legal Reports.

**Sweet Spirit of Nitre.**—At Huddersfield last week, Needham, Ltd., chemists, were fined 1*l.* for selling sweet spirit of nitre which Mr. F. W. Richardson, the West Riding public analyst, certified to contain only 1.08 per cent. of ethyl nitrite. On behalf of the company it was stated that this was the first time they had been summoned under the Sale of Food and Drugs Act.

**Offences against the Person Act.**—John W. Carter (64), herbalist, West Hartlepool, was on June 2 charged with selling a noxious mixture for an unlawful purpose. Two married women deposed that they bought a mixture from defendant. It was analysed, and found to contain aloes. The Magistrates dismissed the case, as there was not sufficient evidence to put defendant on his trial. At the same court Ellen A. Stainthorpe (64) was committed for trial at the next Durham Quarter Sessions on a charge of supplying to women pills the chief constituents of which were lead and aloes.

**Tinct. Iodi Mittis.**—At Cape Town on May 15, Mr. James Long, chemist and druggist, Long Street, was charged, under the Pharmacy Act, with selling 6 oz. of tincture of iodine not prepared according to the British Pharmacopoeia, 1914. It was stated that the tincture was deficient in iodine to the extent of 5.6 per cent.: it contained 2.3 per cent. (w/v), instead of the minimum 2.437 per cent. The defence was that the deficiency was so slight as to be of no importance, and that the tincture was subject to deterioration, which would account for the difference. The analyst was also cross-examined regarding the purity of the sodium thiosulphate employed in the test. Defendant was found guilty and fined 2*l.* 10*s.*

**Castor-oil Seed as Prize.**—A consignment of castor-oil seed, for making castor oil, was condemned as prize of war in the Prize Court in London on June 5. It had been shipped on the Norwegian steamships *Granfos* and *Rosfos* to J. P. Busch, of Christiania, but the President (Sir Samuel Evans) found that both the shippers and the consignees were nominees to cover a shipment to Philippi & Co., Hamburg, by a branch of their house in Portuguese East Africa. His Lordship said letters had been intercepted which showed that not only was Busch willing to become an intermediary for these two firms of Philippi, but was also willing to assume the same attitude with reference to two or three other firms who were carrying on business in Hamburg. The castor-oil seed would be sold and the proceeds confiscated.

**Bottle-manufacturer's Slander Action.**—In the King's Bench Division of the High Court, London, on June 5, Mr. Justice Avory had in his list for hearing before a common jury the case of Lang v. Politi, which was an action for damages for alleged slander, but a settlement of the affair was announced. Mr. Hugh Fraser said that the plaintiff, Fernand Rene Lang, trading as Jules Lang & Son, was a natural-born British subject, in business as a glass and bottle manufacturer and merchant at Charlton Place, Islington, N. He had contracts with the War Office, Admiralty, etc., and also large sub-contracts with chemists in connection with the supply of glassware to the War Office. The action was for alleged slander arising out of a conversation that the defendant had with the plaintiff's cousin. In that conversation something was said about trading with the enemy, and through some misapprehension the plaintiff was led to believe that the defendant imputed that he (the plaintiff) was trading with the enemy. This turned out to be a misunderstanding, and the plaintiff was satisfied that the words were not used with reference to him. The plaintiff's only object was to make it clear that there was no foundation for any imputation that he had ever traded with the enemy. The record was withdrawn, the terms being endorsed on the briefs of counsel.

**"Arsenoid" as a Trade-mark.**—In the Chancery Division, before Mr. Justice Astbury, on June 2, Mr. Kerly, K.C., appeared in support of a motion appealing from a decision of the Registrar refusing an application by the Yalding Manufacturing Co., Ltd., of the Soap-works, Hampstead Lane, Yalding, Kent, to register as a trade-mark the word "Arsenoid," referring to a chemical substance used for agricultural, horticultural, veterinary, and sanitary purposes. The substance, Mr. Kerly explained, is a chemical plant-wash intended for the destruction of microbes. It was claimed that the word was an invented word, and as such could be registered; but the Registrar exercised his discretion against the application, and refused to allow the trade-mark to be registered, on the ground of the almost certain confusion in sound of "Arsenoid" with "Arsenide," which latter is a registered trade-mark.

That seemed to counsel to be placing an unwarranted limit on the distinctive powers of people who dealt in such matters as these. There is no such thing as arsenoid; it is not known to chemists or the public, and he contended it was open to acquisition by him as an invented word. Mr. Austen Cartmel, who opposed the motion, contended that "Arsenoid" is not an invented word, and if its use was permitted it would immediately be taken to mean "Arsenic." His Lordship said the Registrar had come to the conclusion that it was doubtful whether "Arsenoid" is an invented word. He (the Judge) saw no reason to hold that the Registrar had decided on the wrong ground, and the motion must be dismissed, with costs.

## New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

**MILROY CHEMICAL CO., LTD. (P.C.).**—Capital 10,000*l.* Objects: To acquire and carry on the business of manufacturers of malt-extract, cream-powders, essences, etc., at Bernard Street, Glasgow. R.O., 45 Renfield Street, Glasgow.

**BRITISH PHENACETIN, LTD. (P.C.).**—Capital, 100*l.* Objects: To carry on business as pharmaceutical, manufacturing, and general chemists and druggists, manufacturers of and dealers in medicines, etc. The subscribers are: F. A. S. Gwatkin and S. Cronin. Solicitors: McKenna & Co., 31-4 Basinghall Street, E.C.

**MIDLAND FOOD CO., LTD. (P.C.).**—Capital 5,000*l.* The business includes that of chemists, druggists, manufacturers of and dealers in chemicals, medicinal, industrial, and other preparations. R. Taylor and F. L. Duffield are the first directors, and the secretary is W. H. R. Weller. R.O., 1-2 Great Winchester Street, E.C.

**BURKETT, SHARP & CO., LTD. (P.C.).**—Capital, 2,000*l.* Objects: To carry on the business of manufacturing chemists, druggists, oil merchants, and refiners, etc., and to adopt an agreement with P. V. Sharp and J. R. Roper, who are the signatories and first directors, with 300*l.* and 180*l.* per annum respectively as remuneration. R.O., 21 Mincing Lane, E.C.

**COLNBROOK MANUFACTURING CO., LTD. (P.C.).**—Capital 25,000*l.* Objects: To carry on the business of chemists, druggists, distillers, manufacturers of and dealers in chemical, pharmaceutical, medicinal, industrial, and other substances, preparations, and articles, etc. The subscribers are R. H. Wheeler and H. W. Booth. Secretary, G. R. Fowler. R.O., 17 Gracechurch Street, E.C.

**HOLROYD'S OIL AND CERESINE CO., LTD. (P.C.).**—Capital, 500*l.* Objects: To take over and carry on all or part of the business of Schliemann's Oil and Ceresine Co., Ltd. Eric Holroyd is permanent governing director. The Board of Trade have authorised the acquisition by this company of "a part of" the undertaking of the above-mentioned company, the books and documents of which are liable to inspection under the Trading with the Enemy Act. R.O., London House, 3 New London Street, E.C.

**J. C. & J. FIELD, LTD.**—The directors recommend a dividend of 5½ per cent. on the preference shares, less income-tax, and the payment of a dividend of 5 per cent. on the ordinary shares.

**MAJOR & CO., LTD.**—The report for 1915, after including 3,780*l.* brought forward, and paying the dividend on the preference shares for the year, shows a surplus of 18,386*l.* It is proposed to write 3,500*l.* off plant, 4,000*l.* off investments, and 7,000*l.* off loans to subsidiary companies, and, after paying directors' fees, to carry forward the remaining 3,736*l.*

**TREACHER & CO., LTD., BOMBAY.**—An extraordinary general meeting was held on May 10, and the Chairman (Mr. H. Warden), in explaining the position of the company, said they had altogether distributed Rs. 4,50,000 out of the reserve fund, and the company was in a position to pay Rs. 100 per share without touching certain securities they had in hand. The resolution for reducing the capital of the company was put to the vote and carried.

**A. J. WHITE, LTD.**—The report of the directors for the year ended March 31, 1916, shows a net profit of 16,729*l.* 13*s.* 8*d.* After bringing forward the sum of 11,615*l.* 11*s.* 9*d.* from the previous year's accounts, and paying the interim dividend No. 7, amounting to 6,000*l.*, there remains a balance of 22,345*l.* 5*s.* 5*d.*, out of which the payment of a final dividend of 3 per cent. is recommended—making 5 per cent. for the year—leaving a balance of 13,345*l.* 5*s.* 5*d.* to be carried forward.



## Birth.

Authenticated notices are inserted without charge.

**BOON.**—At 83 Trinity Street, Gainsborough, on June 7, the wife of F. W. Boon, chemist and druggist, of a daughter.

## Marriages.

Authenticated notices are inserted without charge.

**MEADOWCROFT—HENSBERGH.**—At St. John's Church, Chapeltown, Lancaster, on June 4, John H. Meadowcroft, Ph.C., F.S.M.C., Sheffield, to Miss S. E. Hensbergh, daughter of Mr. G. Raymond Hensbergh.

**WHITEHEAD—STEPHENSON.**—At 1 Battlefield Crescent, Langside, Glasgow, on June 1, Robert L. Whitehead (representing James F. Wilkinson, Pendleton) to Florence, second daughter of Mr. A. Stephenson (representing Blake & Mackenzie, Ltd., Liverpool).

## Deaths.

Authenticated notices are inserted without charge.

**DIETERICH.**—On April 29, Mr. Hans Dieterich, who was the commercial director of the Helfenberg pharmaceutical business, aged forty-eight.

**FLETCHER.**—At the Imperial Nursing Home, Cheltenham, on June 3, Mr. John Fletcher, Ph.C., of the firm of Fletcher & Palmer, chemists, Montpellier, aged seventy-seven. The immediate cause of death was pneumonia. Mr. Fletcher was one of the most esteemed business men of the Gloucestershire garden town, and bore his seventy-seven years of age so well that, until his illness, he passed as a much younger man than he really was. He was born in Brentford, and, pursuing pharmacy, passed all the Pharmaceutical Society's examinations, becoming a pharmaceutical chemist in February 1863. A few years later he went to Cheltenham as an assistant in the pharmacy of his uncle, the late Faithful Palmer, on whose death he entered into partnership with his cousin, the business taking its present style. Mr. Fletcher was a man conspicuous in pharmaceutical skill and knowledge, and in December 1884 the Pharmaceutical Council appointed him a member of the Board of Examiners for England and Wales. He examined in dispensing until the end of 1894, when the Boards were reconstituted by the inclusion of professorial examiners. Professor J. R. Green, Mr. A. C. Seward, Professor Percy Frankland, and Professor Herbert Macleod came on the English Board. Mr. T. E. Greenish and Mr. G. S. Taylor retired by rotation, and one other place being necessary, a ballot was taken as to whether Mr. Fletcher or Mr. A. E. Tanner should retire, both having been appointed at the same time, and it was decided that Mr. Tanner should remain on the Board. This ballot was the only public one that has happened in our experience. Mr. Fletcher was a splendid examiner, but somewhat severe. Being a many-sided man, he took a deep interest in science, natural history, botany, and music. He was a capable musician, and as such a prominent member of the Cheltenham Musical Society, and as a 'cello player he was well known locally. His powers as a vocalist were much above the ordinary, and he frequently gave his assistance at the choir festival services at Tewkesbury Abbey. His splendid physique and love of open-air recreation led him to take many country rambles and district outings, during which he was an assiduous botanical collector. The local museum has been enriched by his researches. Mr. Fletcher is survived by a widow and daughter. The funeral took place on Wednesday, the preceding service (choral) being held in All Saints', of which church he was a member, a sidesman, and an indefatigable worker.

**OLDFIELD.**—At Russell Street, Eccles, Manchester, on May 26, Mr. William Oldfield, chemist and druggist, aged forty-eight.

**ROBINSON.**—At 85 St. Helens Street, Cockermouth, on June 1, Mr. William Robinson, chemist and druggist, aged eighty-nine. Mr. Robinson was a native of Lorton, and was apprenticed to Wilson & Kitchin, chemists, Whitehaven. He commenced business on his own account at Cockermouth in 1851, occupying at different periods two shops in the Market Place, and subsequently removing to 33 Main Street. He was succeeded by Mr. J. W. W. Allison, on his retirement twelve years ago.

Mr. Robinson was a man of parts, a keen botanist and entomologist, and was highly esteemed locally, as well as by those in the drug-trade who knew him.

**RUSSELL.**—At 5 Coltbridge Avenue, Edinburgh, on June 1, James Russell, Clerk and Treasurer Burgh of Edinburgh Insurance Committee, aged forty-four. Mr. Russell was in the Edinburgh Town Clerk's office when the National Health Insurance work was being inaugurated, and most of the initial arrangements were left to his management. Thereafter when the Burgh Insurance Committee was formed he became its Clerk and Treasurer. He discharged the duties of his office most efficiently, and in his relations with the Panel and Pharmaceutical Committees he was always courteous and reasonable. With the members of the latter Committee he was on very friendly terms, as they worked harmoniously together to promote efficiency in the administration of the Drug Fund. At the funeral there were, besides private friends, representatives from the Burgh Insurance Committee and the County of Midlothian Committee, and the Pharmaceutical Committee were represented by the Chairman and Secretary.

**SMITH.**—At Sheffield, on May 23, after an operation, William Rowland (Timmy), the only son of Mr. Rowland Smith, chemist and mineral-water manufacturer, Retford, aged five and a half years.

**WHITTAKER.**—At 75 Albert Roysds Street, Halifax Road, Rochdale, Mr. John William Whittaker, chemist and druggist.

### Died on Service.

**ASPELL.**—On May 27, from wounds received in action, Stanley Greensill Aspell, of the King's Liverpool Rifles, son of Mr. Aspell, chemist and druggist, Douglas, Isle of Man.

**BELLAMY.**—Private H. S. Bellamy, of the Leicestershire Regiment, who prior to the war was with Howard Lloyd & Co., manufacturing chemists, Leicester, has died in the East. He had been twice wounded.

## Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

**MR. G. H. PIERSON, Ph.C.,** New Barnet, has been elected a Fellow of the Chemical Society.

**MR. J. W. JONES, Ph.C.,** Southside Street, Plymouth, is giving up business in order to join the Army.

A PORTRAIT and character-sketch of Mr. R. Lord Gifford, J.P., appeared in the "Blackburn Weekly Telegraph" on June 3.

**MR. E. SULLIVAN,** South of England representative of the Galen Manufacturing Co., Ltd., has joined the Royal Flying Corps, but hopes to continue his work with the company after the war.

**MR. THEO. H. WARDLEWORTH, F.L.S.,** Montreal, has spent the past fortnight in London along with his fellow-Commissioners, who are looking after Canadian trade. They have been doing some good work here, and are now going to France and Italy to continue it, after which they return to London.

**CAPTAIN W. H. HEDGES,** of the North Midland Field Company, R.E. (T.F.), upon whom the King bestowed the

Military Medal last week, is the son of Mr. W. R. Hedges, of Hedges (Chemists), Ltd., Dale End, Birmingham, and himself represents the third generation of his family on the directorate of the company. He is the grandson of the founder of the business, Mr. W. R. Hedges, sen., which was established in 1844. Captain Hedges was educated at Malvern College, and is prominent in Birmingham athletic circles, being the holder of the Midland Counties Heavy-weight Boxing Championship. He has done good work on service, and was wounded last year while taking first-aid to a wounded man near Ypres. Since his recovery he has served in Egypt and France.



CAPTAIN HEDGES.



MR. C. SKELTON TYLER, pharmacist, who was formerly in business at Felixstowe, and for many years has been in South Africa, has opened a new pharmacy at 3 Undercliffe Parade, Felixstowe.

CAPTAIN J. R. M. WHIGHAM, R.A.M.C., son of the late R. L. Whigham, Ph.C. (an ex-President of the Western Pharmacists' Association), has received the Military Cross for attending to over 200 wounded men for three days, practically under fire the whole time. Captain Whigham is only twenty-three years old.

MR. R. C. BROWN, chemist and druggist, Westborough, Scarborough, while motor-cycling on June 2, was badly thrown on descending Hay Brow, a hill near Scalby. He was taken to the Scarborough Hospital, and detained, suffering from head-injuries. He had left Mrs. Brown and their child at Langdale, otherwise they might have suffered also.

## Trade Notes.

"IT'S ALL IN THE EDGE," is the slogan of Mr. William P. Kelland, 36-37 Camomile Street, London, E.C., the safety-razor specialist.

BUYERS of drugs, chemicals, and essential oils are appealed to in our advertising pages by P. Whipman & Co., 4 New London Street, London, E.C.

AS A GLYCERIN SUBSTITUTE "EMOLINE" is offered by Lloyd's, 60 Tennyson Road, Small Heath, Birmingham, who send a jar of it on receipt of postal order for 8s. 6d.

"SANAPHOS AND SODA" is one of the latest beverages. The British Milk Products Co., Ltd., 69 Mark Lane, London, E.C., describe in their advertisement how to make it.

"EVANSOL" is a synonym for the Lysol made by Evans Sons Lescher & Webb, Ltd., London and Liverpool. It gives a clear solution with water because it is made with potash, not soda.

NEW SOURCES OF SUPPLY for Russian crude drugs are cropping up, and there are prospects of good business with Russia now and after the war. The Anglo-Russian Industrial and Trading Alliance, Ltd., 6 Eldon Street, London, E.C., offer the goods.

"UNDESIRABLE ALIENS" is the appropriate title which May, Roberts & Co., Ltd., London and Dublin, give in their advertisement to the trench-pest, for which they have a powder and an ointment that bear good profits. The "Trenchman" belt is another good thing: it counteracts gas-attacks.

R. HOVENDEN & SONS, LTD., Berners Street, W., and City Road, E.C., are producing their British-made eau de Cologne in styles that please the public. The "Star" brand is also obtainable in traditional forms, including the wicker-covered bottles. In these toilet-hardship days this house helps chemists well.

TUBED TOILET-PREPARATIONS and other chemists' readily saleable preparations with the chemist's name and address on the tubes are offered by the White Band Manufacturing Co., Ltd., South Croydon. An assorted gross (42s.) is the extent of the order that the company want, and they show in their C. & D. announcement what the finished article looks like.

C. R. HARKER, STAGG & MORGAN, LTD., Mile End, London, E., are publishing their monthly price-list on net terms on and after July 1. The net applies to quarterly or journey accounts, for 2½-per-cent. discount will be allowed on monthly accounts paid on or before the 15th of the month following that in which the goods have been obtained.

EFFERVESCENT CARLSBAD SALT, "Squirrel" brand, is manufactured by The British Drug Houses, Ltd., 22-30 Graham Street, City Road, London, N., and is on the P.A.T.A. list. The manufacturers have produced a strikingly attractive showcard which they give to customers, and it will be noted that chemists can obtain the salt packed in as small lots as one dozen with their own name and address upon it.

EMPLOYERS' LIABILITY INSURANCE.—The British Dominions General Insurance Co., Ltd., Royal Exchange Avenue, London, E.C., specially invite those connected with the chemical and drug trades who are interested in employers' liability insurance to communicate with them in regard to the special conditions that they offer. These are contained in their special brochure, for which our subscribers should write to Department EL, No. 21 at the above address.

AYRTON, SAUNDERS & Co., LTD., Liverpool, are publishing Ayrtton's Supplement monthly. The May issue consists of twenty pages and cover. It describes and illustrates many of the Hanover Street products, the prices being on the left-hand pages and illustrations and descriptions on the right. Special attention is given to illustrating the showcards. Copies distributed in the London district made a special feature of the appointment of Mr. J. E. Garratt, 96 Southwark Street, London, S.E., as their agent for London and the South.

SPHAGNOL PREPARATIONS have been receiving distinct commendation from R.A.M.C. officers, and the manufacturers, Peat Products (Sphagnol), Ltd., 18 and 19 Queenhithe, Upper Thames Street, London, E.C., are using on a small handbill letters they have received about the efficacy of Sphagnol in treating trench-sores, face-wounds, and insect-bites. They have also printed a small four-page folder describing the qualities of Sphagnol. The preparations, with their prices, are mentioned in both of these, and supplies can be obtained from the company by chemists on application.

THE CHRISTY DENTIFRICES make money for chemists as retailers thereof. The firm advertise in this issue a special window-display for Zepto tartar pencils which they are offering to chemists. They have also made a special T.M. smokers' show which consists of five stands each bearing an egg-shaped attraction with the "Good-morning" man on top enunciating an aphorism in regard to the smokers' dentifrice. The firm inform us that this display is sent out with orders of not less than one gross of T.M. smokers' paste or, if the chemist prefers, the equivalent in paste and powder. It can be adapted to any size of window.

LANOLINE.—Some months ago we had the opportunity of commenting upon the lanoline offered by Howard Lloyd & Co., Ltd., Leicester. From samples submitted to us during the past week we find that the company have much improved the product. When the original lanoline was first introduced it was very different from that which was exported before the war. Howard Lloyd & Co., Ltd., make three distinct kinds of the preparation. Adeps lanæ anhydros, B.P., is a semi-translucent preparation of pale-brown colour with little wool odour. A superfine form of this preparation has the appearance of honey, and is destitute of objectionable odour, so as to be serviceable for the manufacture of complexion-preparations. Adeps lanæ hydrosus is a cream-white preparation, free from objectionable stickiness and distinctly improved in odour. These preparations Howard Lloyd & Co., Ltd., can supply in quantity, and invite inquiries.

PARKE, DAVIS & Co., London, state in "Pharmaceutical Notes" for May that they employ 750 British subjects in this branch. They have invested 300,000l. in the equipment of the branch, and 121 of their employes are in the King's Forces. The following interesting statement is added:

"The exports of the London establishment during 1915 exceeded its imports by 170,000l. In 1914 the exports were 125,000l. in excess of the imports. In other words, Parke, Davis & Co. not only gave employment to their large British staff, paid Government and local taxes, and kept very large sums of money in circulation in connection with their home trade, but in two years they brought into the United Kingdom a net credit balance of 295,000l. . . . At no time since the foundation of the London establishment has one penny of its profits been sent out of the country in the shape of money."

In other words, goods are bought on the London market with the profits of the London business.

## Information Department.

### INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us at 42 Cannon Street, E.C.

236/4. Pollantin substitute:	236/57 Lotio Ambacidæ 5
British makers.	Zinco.
239/14. Resorcin: makers or suppliers.	238/20. Co-menthol.
238/18. "Euresin."	226/48. Makers or agents for small vulcanite tooth-combs in boxes marked "Made in U.S.A."
239/23. "Varix" bandages.	242/42. "Protectus" disinfectant.
238/57. Dr. Ives' Corrective Infants' Tablets.	
240/22. "Magic" corn-cure.	
238/32 Confectio Regis 5 Opio.	

CHEMIST (to Scotch customer): "How is your husband keeping?"

Customer: "Improv'in', aa think. The doctor says he'll mebbe live a long time yet without deein'."



## Westminster Wisdom.

### FINANCE (No. 2) BILL.

This measure has been read a second time in the House of Commons and awaits the Committee stage. It provides for the Budget proposals other than those agreed to in the Finance (New Duties) Act, which passed within three weeks after the Budget, and was adequately reported in the *C. & D.*, especially in regard to the new duties on table-waters and cider. The present Bill consists of five parts, containing forty-five clauses and three schedules. The first part, of fourteen clauses, deals with Customs and Excise. The first six clauses relate to the increased duties on cocoa, coffee, chicory, coffee-substitutes, and sugar, as detailed in the *C. & D.*, April 8, p. 43. The Customs duties on table-waters and cider are in Clauses 7 to 9, these being the same as the Excise rate, 4d. and 8d. per gal.; and "table-waters" "include any aerated waters and any beverages to be sold or kept for sale in bottles," exemptions as in the prior Act being included. A licence-duty of 10s. will also be payable by sellers "when required." Duties on tinder-boxes (5s.) and increased duty licences for motor-cars are next dealt with. Provision for drawbacks being adjusted to any changes that the House of Commons may determine is made, also drawback on certain dried fruits, and new provision is made for modification of Section 1 of the Immature Spirits (Restriction) Act, 1915, as regards imported rum and Orders in Council relating to the same. Part II. of the Bill is wholly devoted to income-tax, and will want careful watching by those specially interested. The provisions are extremely abstruse and complicated, but carry out with modifications the statements made in the Budget. In the first place income-tax from April 6, 1916, is to be charged at the rate of 5s. per pound, and super-tax at the same rate as in the year which began April 6, 1915. We dealt very fully with this subject in our issue of January 1, p. 48, the Finance (No. 2) Act, 1915, being our authority. Modification of the specific charge of 5s. is made in regard to incomes not exceeding 2,500l. a year, so that on earned income the charges will be 2s. 3d. per pound up to a total income of 500l. a year, 2s. 6d. from 500l. to 1,000l., 3s. from 1,000l. to 1,500l., 3s. 8d. from 1,500l. to 2,000l., and 4s. 4d. from 2,000l. to 2,500l. In cases where the income does not exceed 2,000l. from all sources the tax on unearned income is to be 3s. up to 300l., 3s. 6d. between 300l. and 500l., 4s. between 500l. and 1,000l., and 4s. 6d. between 1,000l. and 2,000l. Modifications of procedure and relief are also provided, and reduced rates on the pay of soldiers and sailors are given, 9d. per pound being payable by those whose total income does not exceed 300l., 2s. 1d. between 300l. and 1,000l., 2s. 5d. between 1,000l. and 1,500l., 2s. 9d. between 1,500l. and 2,000l., 3s. 3d. between 2,000l. and 2,500l., and 3s. 6d. if over 2,500l. Existing exemptions hold except where income does not exceed 300l. Stamps for payment of the tax in certain cases are to be provided, and provisions as to dividends are introduced to facilitate collection without unduly burdening small holders, while Colonial income-tax is to be reduced to 3s. 6d. per pound. Part III. of the Bill deals with excess-profits duty, which by Clause 29 is increased from 50 to 60 per cent. The novelties here are in regard to mineral-rights duty, profits arising from the sale of ships, and directors' fees. In the last case the company is to be treated as if it were a firm and the directors partners in it. Part IV. deals with National Debt and loans, and Part V. is a single clause concerning construction, repeal, and short title. The schedules follow: the first is in regard to duties on sugar, molasses, glucose, and saccharin (Customs and Excise), while drawbacks and allowances on molasses are also set forth. The second schedule gives the rates of duty for motor-car licences, and the third deals with enactments repealed.—Many amendments to the Bill have been put in.

THE BUSINESS carried on in The Green Drug-store, Thorne, has been transferred to 132 Crookes, Sheffield.

IN EDINBURGH BANKRUPTCY COURT on June 7, John Henderson, chemist, 74 Montrose Terrace, Edinburgh, was examined before Sheriff-Substitute Orphoot. The state of affairs of the bankrupt showed a deficiency of 132l. 5s. 9d. In reply to Mr. Romanes, the bankrupt stated that he began business nineteen years ago with a capital of 160l. He attributed his failure to the fact that St. Cuthbert's Co-operative Association opened a chemist's department next door to him. No further questions were asked, and the usual oath was administered to the bankrupt.

## Observations and Reflections.

By Xrayser II.

### Whit-Monday

will not count as a Bank Holiday this year. Banks will be open, the Factory Acts and Shops Act will not apply, and the hope has been officially expressed that all shops will be open as upon an ordinary business day. That we shall all be quite willing to fall in with the official suggestion may be taken for granted. This Whitsuntide holiday is said to be an old pagan festival grafted on to the Christian Pentecost, and the name by which we now know it is comparatively modern. It refers to the white robes worn by the candidates for baptism at this festival, which in Northern countries was the special occasion for the administration of the rite. In southern countries the Sunday after Easter was called *Dominica in Albis* for the same reason, but in our colder climate the later date was more convenient when baptism was by immersion. The secular feast of Whitsuntide has been traced back in England to the time of the mythical, or partly mythical, King Arthur.

### 25,400 Copies of the B.P.

have, it appears, been sold since its publication on January 1, 1915. At 10s. 6d. per copy this yields close upon 14,000l., and when allowance has been made for trade discounts and incidental expenses a very large sum must have been realised by the General Medical Council. How much, if any, of it is profit? I hold that on such a work, the possession of which is virtually compulsory on all medical practitioners and pharmacists, there ought to be no profit at all, after proper remuneration has been given to its producers—that is to say, the Medical Council, as such, ought not to make anything by it. As to whether they have made anything by it or not we have no figures to go upon, but we ought to have. The Pharmacopœia is really a national work, for national purposes, and though, for convenience sake, its preparation is entrusted to the Medical Council, it ought, as a financial operation, to be as open to observation and criticism as any other item of national finance.

### The Stock Mixture

has arrived, as I have all along predicted, and as many sensible pharmacists knew, it would do. The publication of these twenty-eight formulas under the ægis of the National Insurance Commissioners, backed by the British Medical Association and the Pharmaceutical Society of Great Britain, means that the hitherto pharmaceutical leper is no longer an outcast from all decent Insurance society, but that it is now received into the fellowship of that sacred circle kept as a close preserve for Pharmacopœias, B.P.C.s, and such like "knuts" in pharmacy. This is all to the good, but, having said so much for the adoption of the idea, there is little to say of the way in which it has been carried out, for surely never before has a series of such miserable abortions been submitted to practical pharmacists. I am certain that 25 per cent. of these mixtures will be mouldy within a week, and I cannot imagine how they came to be fathered by responsible men. The Insurance Commissioners may be excused, for they are not experts, and even the doctors may have something to say in self-defence; but that the Pharmaceutical Society should allow its name to be associated with such miserable pharmacy is inexcusable.

LATE LAW.—In the Chancery Division on June 8, before Mr. Justice Astbury, H. G. Carsberg & Son, St. John Street, London, E.C., submitted to an injunction asked for by J. E. Arnold, Giltspur Street, for infringing a patent relating to the manufacture of a stethoscope. His Lordship criticised the action of the plaintiff in regard to correspondence which had passed between his solicitor and defendants.—The matter of *Goddard v. Hyam & Goddard* was mentioned in Mr. Justice Sargant's court. The plaintiff, Mr. J. W. Goddard, Leicester, sought to restrain defendants from selling plate-powder as Goddard's plate-powder. Miss Goddard, one of the defendants, asked for an adjournment, and this was granted until next term.





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Index Folio 630

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## Editorial Articles.

### Military Service Regulations.

THE Military Service Regulations (Amendment) Order, 1916, to which reference was made last week (p. 43), has now been issued, and copies (price 1½d.) can be had through any bookseller. The regulations follow those issued previously under the principal Act, but alterations or amendments rendered necessary by the passing of the amending Act, and by promises made by Ministers in the course of discussion in the House of Commons, have been introduced. We mentioned last week the undertaking given by the President of the Local Government Board to deal by means of a regulation with the case of single-handed businesses. Sub-section (d), which deals with applications for certificates of exemption "on the ground that serious hardship would ensue if the man were called up for Army service, owing to his exceptional financial or business obligations or domestic position," has now been further explained as follows:

With a view to securing uniformity of decision and practice among the several Tribunals, the Tribunals are instructed that paragraph (d) of this regulation applies to a case in which it is proved to the satisfaction of the Tribunal that serious hardship would ensue if a man were called up for Army service, owing to the fact that the man is the sole proprietor of a business upon which the support of his family exclusively or mainly depends (not being a business which in the public interest ought to be discontinued), and that it is impossible for him to make arrangements for the carrying-on of the business in his absence.

Among the other modifications of the regulations is the section (26) dealing with the certificates of exemption to medical practitioners, which are to be referred to the Professional Committee in accordance with Section 7 of the new Military Service Act, 1916. As we stated last week, chemists who desire exemption from military service should communicate at once with the Pharmaceutical Committee of their area, who supply the necessary forms upon which particulars must be given to enable the Joint Insurance and Pharmaceutical Committee to arrive at a decision that the applicants are "indispensable for the needs of the population." The reference to chemists in the list of reserved occupations is as follows:



Men lawfully and habitually engaged in dispensing medicines to be exempted if agreed to be indispensable for the needs of the population by the Military Representative, after consultation with the Insurance Committee for the area,\* or if recommended by the National Health Insurance Commissioners and approved by the Army Council.

\* The Insurance Committee shall consult the Pharmaceutical Committee before deciding which cases to recommend for exemption.

It will be noticed that in cases where Local Tribunals do not agree to grant certificates of exemption when recommended by Insurance Committees there is provision made for appeals by the National Health Insurance Commissioners to the Army Council. We also note that the appeal provided under Section 2 (1) of the principal Act in respect to men being educated or trained for any work, is continued, and this covers young pharmacists if their work is "expedient in the national interests," but any exemption certificate issued in this respect is conditional or temporary only.

### "Squire."

A NEW EDITION of "Squire's Companion to the British Pharmacopœia" is published this week. It is the nineteenth of the series commenced by the late Peter Squire when the first B.P. was issued in 1864. His son, Peter Wyatt Squire, chemist to the King and the Royal Household, in producing this one, enters upon his fortieth year as editor. We published a history of the book when the eighteenth edition was issued (*C. & D.*, November 21, 1903), but may mention now that the first edition of the "Companion" contained 220 pages; the book was doubled in 1869 (seventh edition), again in 1899 (884 pages), the 1908 edition contained 1,459 pages, and the present one 1,707. The pages alone demonstrate that the work is original to Mr. P. W. Squire, and it is the largest British book of the kind whose utility is recognised equally by physicians and pharmacists, while it is also distinctive in containing information that is wanted by specialists in chemistry, medicine, and pharmacy, although the author's aim of making it a book of reference for everyday practitioners is accomplished indubitably. It is unnecessary to describe the nature of the contents, for there can be few of our readers who have not been familiar with "Squire" since their apprentice-days, and we need only tell them that the nineteenth edition is on the old model; but every page of it contains new matter, since it is a Companion to the 1914 B.P.—new in respect to data, comment, and criticism, besides embodying the notable chemical, medical, and pharmaceutical advances of the past eight years. The thoroughness of the revision is due to three unusual circumstances: first, the type of the 1908 edition was scrapped before the 1914 B.P. was published; second, the day-by-day work in the author's pharmaceutical business provides copious material for amending, checking, and expanding previous records; and, third, specialists, such as Mr. E. M. Holmes in *materia medica*, Dr. Taylor Grant in the medical portion, Professor Hewlett in microbial matters, and Mr. Charles M. Caines in chemistry, assist the author in the preparations. Half-a-dozen others are also associated with Mr. Squire in special lines of work, the results of which perfect the book, particularly in regard to data. Perhaps the outcome may be explained by an example or two. The monograph on salicylic acid fills about six pages. The paragraph on solubility contains eleven factors original to the book; then comes a page about

the medicinal properties, presenting notes and other things that appeal to doctors and dispensers. Tests occupy the next two pages, this being a record of and commentary on work done in the author's laboratories, and it is followed by preparations, including twenty-five non-official formulas, and notes on seven substances allied to salicylic acid. The ipecacuanha article is another of great interest; it extends to over sixteen pages, and contains exceptionally good information about the chemistry of the drug, both as regards its constituents and how they are assayed, while the pharmacy and therapeutics of ipecacuanha and the properties of its alkaloids are well expounded. The reflection arising from reading these and other monographs is that Mr. Squire does not succumb to the temptation which some compilers of encyclopædic works fall into: he does not copy authorities without proving them. The "Companion" is particularly valuable because it is a straightforward book, rich and voluminous in comments, criticisms, facts, and formulæ, and full of information, so that in virtue of these and other excellencies it maintains its unique position as a national work of reference.

### The Establishment-charge.

A DEPUTATION from the Pharmaceutical Society waited upon Mr. Charles Roberts, M.P., at the National Health Insurance Commission, Buckingham Gate, London, S.W., in regard to the insufficiency of the establishment-charge of 0.8*d.* in the Drug Tariff. The proceedings lasted some time, but eventually had to be adjourned to allow of a consideration of the evidence which was placed before the Commission. No official statement is therefore to be issued at this stage.

### Further Import Restrictions.

It will be observed that certain articles are added to the imports-prohibition list which will affect pharmacy business. Toilet-articles containing glycerin are now on the list, and the result will be that importers of a considerable number of American and French preparations will have to obtain a licence from the Board of Trade when they desire to import any favourite preparations. Importers of many pharmaceutical medicinal products have already learned what has to be done, consequent upon their work under the Proclamation of March 21, which prohibited the importation of "spirits and strong waters of all kinds except brandy and rum"; this prohibition does not apply to goods imported under Board of Trade licence, and the Department has given the necessary permission in most cases. It cannot be expected, however, that similar liberty will be given in respect to toilet-articles containing glycerin, for here the use of glycerin in such preparations is expressly prohibited, and it is unlikely that the Board of Trade will encourage foreign competition.

### Overseas Business in May.

THE Board of Trade Returns for May show imports valued at 83,814,530*l.*, or 12,213,636*l.* more than in May 1915, and exports were valued at 47,024,411*l.*, or 13,405,419*l.* more. We bought 8,605,274*l.* more of food-stuffs, 557,297*l.* more of raw materials, and 3,130,281*l.* more of manufactured goods, the latter figures including larger purchases of chemicals and allied goods by 1,252,940*l.*, the receipts amounting to 2,828,721*l.* The biggest increase was in unscheduled chemicals by 445,598*l.* On the export side, it is very satisfactory to record that of the 13,405,419*l.* increase for the month, practically 11½ millions was in manufactured goods. The increase in chemicals, drugs, etc., was 189,335*l.*, shipments amounting to 2,355,417*l.* Actual drugs and medicines contributed 326,603*l.* to this total, which was 84,856*l.* better than May last year, and for the five completed months of the year the increase over the corresponding period of 1915 is 513,905*l.* These figures bear eloquent testimony to the activity which the British drug-trade is enjoying, and wholesale druggists and exporters are to be congratulated on such splendid results.



## Pharmaceutical Society of Great Britain.

### Council-meeting.

THE monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on June 7. The councillors present were Mr. E. White (in the chair), Mr. E. T. Neathercoat (in the vice-chair), and Messrs. F. E. Bilson, A. S. Campkin, J. H. Cuff, W. L. Currie, J. W. Deakin, F. J. Gibson, R. L. Gifford, J. P. Gilmour, C. E. A. Goode, J. F. Harrington, J. Harrison, J. Keall, L. M. Parry, P. F. Rowsell, F. P. Sargeant, H. Skinner, and J. R. Young.

#### THE DEATH OF LORD KITCHENER.

After the minutes of the previous meetings had been read, the CHAIRMAN referred to the death of Lord Kitchener, "one of our greatest soldiers." His death, said Mr. White, will harden our determination to bring to fruition the plans which he had formed for the salvation of this country.

The Council signified their approval of the Chairman's remarks by rising from their seats and remaining standing for a minute.

#### MR. W. H. GIBSON BACK AGAIN.

The CHAIRMAN then moved that Mr. W. H. Gibson, Brighton, be co-opted a member of Council to fill the vacancy occasioned by the resignation of Mr. T. A. White. This was agreed to unanimously.

Mr. Gibson then came into the Council Chamber and was greeted with applause. He afterwards thanked the members for their expressions of confidence.

#### NEW MEMBERS WELCOMED.

The CHAIRMAN then formally welcomed Mr. Deakin and Mr. Skinner, the two new members of Council elected last month.

Mr. DEAKIN acknowledged the appreciative reception that had been given him.

Mr. SKINNER, referring to a bantering remark of the Chairman's, that he (Mr. Skinner) had not let his light shine under a bushel, said it happened that that morning he had been fined at Highgate for an infringement of the Lighting Order. (Laughter.)

#### ELECTION OF OFFICERS.

The Council then proceeded to elect a President, Vice-President, and Treasurer.

The voting-papers for the President had been distributed round the table, and were collected by Mr. Woolcock (Secretary and Registrar) in the historic ballot-box. Mr. Woolcock then called out the names recorded on the voting-papers. Of the nineteen papers, eighteen recorded votes for Mr. E. White and one paper was blank.

Mr. WHITE, who was then invested by the Secretary with the chair of office, thanked the Council for re-electing him for the third time. He remarked that he began his term of office in peace, and hoped it would end in peace, and that he should have an opportunity of conducting the affairs of the Society in normal times.

The same process was gone through for the election of a Vice-President, the choice again falling on Mr. Neathercoat, who duly acknowledged the honour.

Mr. W. H. Gibson was next elected Treasurer for the seventh year in succession.

#### OTHER OFFICERS APPOINTED.

The following officers were then appointed for the ensuing year: Secretary and Registrar, Mr. W. J. Uglov Woolcock; Assistant-Secretary, Mr. A. J. Chater; Deputy-Registrar, Mr. H. Moon; Parliamentary Secretary, Mr. W. S. Glyn-Jones; Editor, Mr. J. P. Gilmour; Curator, Mr. E. M. Holmes; Resident Secretary in Scotland, Mr. J. Rutherford Hill.

The PRESIDENT remarked that the new editor, Mr. Gilmour, is an ideal man for the position. He possesses literary ability, professional attainments, and knowledge of business, which are required for that post.

Mr. GILMOUR, in acknowledging the appointment, said that it is a good many years ago since he read his first essay to a Literary Society on "German Transcendentalism." (Laughter.) He has had a great variety of experience, some of which he hoped to be able to turn to account in the new sphere to which the Council have appointed him.

Mr. Gilmour then tendered his resignation in writing as a member of Council, and left the Council table, taking a seat at the editor's table.

The Standing Orders were adopted.

#### SIR NESTOR TIRARD.

A letter of congratulation was ordered to be sent to Sir Nestor Tirard, editor of the *British Pharmacopœia*, on his receiving the honour of knighthood.

A letter was received from Mr. Hagon stating that he would not be able to attend the Council-meeting, as his son, who is a Flight Commander in the Royal Flying Corps, was home on a few days' leave.

#### ELECTIONS AND REGISTRATIONS.

The election then took place of thirteen members, and 110 persons were restored to their former positions in the Society. Four names were restored to the Register of Chemists and Druggists. The REGISTRAR also reported that he had registered forty-two apprentices or students during the month.

#### CORRESPONDENCE.

A firm of wholesale druggists wrote for permission to reprint in their export-list the table of equivalents for proprietary articles given in the Supplement to the *British Pharmaceutical Codex*. This was granted.

The British Pharmaceutical Conference invited the Council to appoint delegates to the Conference on July 12. The President, Vice-President, and nine other members of the Council gave in their names as delegates, and Mr. Woolcock is also to attend the Conference.

#### FINANCE COMMITTEE.

The President then submitted the report of the members sitting as a Finance Committee, of which the following is an abstract:

The receipts of the General Fund during the month were 702*l.* 17*s.* 5*d.*, made up as follows: Penalties and costs, 59*l.* 2*s.* 6*d.*; "Journal," 95*l.* 12*s.* 6*d.*; B.P. Codex, 10*l.* 17*s.* 5*d.*; subscriptions, 329*l.* 3*s.* 6*d.*; registration-fees, 75*l.* 12*s.*; election of Pharmaceutical Committee, 15*s.*; rent and ground-rent, 113*l.* 5*s.*; certificates of qualification, 10*l.*; school-fees, 2*l.* 2*s.*; repayment from Benevolent Fund, 6*l.* 7*s.* 6*d.* After deducting the payments ordered at the last Council-meeting, a balance of 680*l.* 0*s.* 3*d.* remained. The following amounts were recommended for payment: "Journal" and publications, 194*l.* 2*s.* 8*d.*; stationery and office expenses, 120*l.* 16*s.* 7*d.*; salaries, etc., 810*l.* 8*s.* 4*d.*; school and examinations, 23*l.* 15*s.* 3*d.*; law and professional charges, 10*l.* 13*s.*; house, 214*l.* 12*s.* 3*d.*—a total of 1,374*l.* 8*s.* 1*d.* The balances on the Benevolent Fund were: Current account, 442*l.* 14*s.* 2*d.*; donation account, 107*l.* 5*s.* 11*d.*; Orphan Fund, 43*l.* 15*s.* 10*d.* The report was adopted.

#### BENEVOLENT FUND.

Mr. BILSON presented the report of the members acting as a Benevolent Fund Committee, which recommended grants amounting to 203*l.* to twelve applicants. In moving the adoption of the report Mr. Bilson stated that among the donations received were: Local Associations Conference, 55*l.*; Gloucester Pharmacists' Association, 1*l.* 1*s.*; Nottingham Pharmaceutical Association, 3*l.* 3*s.*; Glasgow and West of Scotland Chemists' Association, 2*l.* 2*s.* Mr. H. J. Kluge also sent a cheque for 29*l.* 2*s.* 8*d.* for the Orphan Fund, this being the amount shown last month of the adverse balance on that Fund.

Mr. ROWSELL referred to the improved position of the Orphan Fund, and emphasised the necessity of increasing the funds, in view of future demands on the Fund.

#### LIBRARY COMMITTEE.

Mr. J. F. HARRINGTON presented the report of the acting Library, Museum, School, and House Committee. This fixed the school-recess from June 23 to October 4. Miss Caird was recommended for appointment as Redwood scholar, and Mr. Baines as Burroughs scholar, it being also recommended that these scholars be given permission to work in the Research Laboratory for three months. House-repairs amounting to 2*l.* 19*s.* 9*d.* were sanctioned.

The report was adopted.

#### PARLIAMENTARY AND GENERAL PURPOSES COMMITTEE.

The Committee considered the report of the Local Executive Committee, which dealt with the following, among other, matters:

The consideration of five Drug Tariff resolutions adopted by the Local Associations Conference was deferred until after the interview with Mr. Roberts on the establishment-charge.

Action on the question of the mile limit in the regulation regarding rural areas was deferred till next meeting, when Mr. Ridyard is to submit data.

The question of the payment of postage on Insurance prescriptions was dropped, as it has already been dealt with so far as small areas are concerned.



A resolution is to be sent to the Insurance Commissioners pressing for more representation of pharmaceutical interests upon Insurance Committees.

Another resolution was also adopted to be sent to the Commissioners urging that each Pricing Bureau should have upon its staff at least one pharmacist, and that the chief officer or technical adviser should be a qualified chemist.

A circular is to be sent out inviting suggestions for suitable action upon any matter affecting "the protection of those who carry on the business of chemists and druggists."

It was agreed that the subject of the position of pharmacists in the Army and Navy has already been dealt with as fully as present circumstances permit, but the President and Secretary were directed to take such measures in future as may be necessary.

It was agreed that the present is an inopportune time for raising the question of special licences for the sale of medicated wines, seeing that the authorities are now engaged in restricting and regulating the sale of these articles.

The question of popularising the letters "M.P.S." was adjourned till the next meeting.

Secretaries of local Associations are to be provided with a circular to send to suitable local institutions urging that dispensing should be supervised by a pharmacist.

The Committee agreed that the candidature of at least two pharmacists for seats in Parliament should be promoted and supported financially.

It was recommended that the Executive Committee should, if necessary, get in touch with the Chemical Section of the London Chamber of Commerce in regard to attacking German chemical and pharmaceutical industries after the war.

The Parliamentary and General Purposes Committee also dealt with the constitution of the various Committees. Mr. Goode takes the place of Mr. Rogers on the Benevolent Fund Committee. The Finance Committee is to consist of Messrs. Bilson, W. H. Gibson, Harrington, and Keall. Mr. Skinner is appointed to the Journal, Library, and Scientific Advisory Committees, and Mr. Deakin to the Law Committee. The Committee also recommended that June 12 be not observed as a holiday this year.

The report was adopted and the new Committees appointed.

#### PATENT-MEDICINES REPORT.

Mr. GIFFORD then moved the following motion:

That, the primary function of the Pharmaceutical Society being professional, steps should be taken to dissociate the Society from the practices reprobated so strongly by Sir Henry Norman's Committee.

He said he desired that the energies of the Society should be focussed on the protection of the public, as in the past the Society has not been sufficiently alive to that phase of its duties. He suggested that the matter be left to the Local Associations Executive to deal with, and added that something should be done to counteract the growing tendency to "vicious, parasitic advertising" which takes the form of "shameful swindling."

Mr. SARGENT seconded the motion, although, as he explained later on, he did not entirely agree with its terms.

Mr. PARRY denied that the primary function of the Pharmaceutical Society is professional, and opposed the motion on that ground.

Mr. CAMPKIN objected to the suggestion to take the matter out of the purview of the Council.

Mr. DEAKIN thought the matter should go to the Local Associations Executive first and then come before the Council.

Mr. HARRISON resented strongly the suggestion that the Society has hitherto neglected the interests of the public, and he also objected to the abrogation of the Council's functions.

Mr. YOUNG did not think the Council has ever made a real attempt to discountenance the practice referred to in the motion.

Mr. CAMPKIN said Mr. Gifford had not given the Council sufficient data upon which to make inquiry. His proposals are altogether too vague.

Mr. ROWSELL supported the motion, and suggested that it be discussed at the next meeting of the General Purposes Committee.

Mr. BILSON said the Council cannot "dissociate" itself from practices it has never been associated with.

Eventually Mr. Gifford withdrew his motion and undertook to bring a considered case before the General Purposes Committee.

Mr. T. A. WHITE.

The PRESIDENT then moved a resolution expressing the high appreciation of the services on the Council of Mr. T. A. White, who resigned his position last month.

This was carried unanimously after complimentary remarks by Messrs. Rowse, Bilson, Neathercoat, Cuff, Sargeant, and Currie.

It was left to the House Committee to select a person to deliver the inaugural sessional address.

This concluded the public business.

## Chemical Society.

THE Society met at Burlington House, London, W., on Thursday evening, June 1, Dr. Alexander Scott presiding. Dr. R. Seligman and Mr. Percy Williams communicated a note on the constitution of the *Hydrates of Aluminium Nitrate*. In the course of another research the authors had found aluminium nitrate of different degrees of hydration, and on looking up the literature on the subject they found varying views as to the constitution of the hydrate. Different results were obtained by treating aluminium with cold nitric acid sp. gr. 1.42, with hot nitric acid sp. gr. 1.42, and with cold nitric acid sp. gr. 1.5. The conclusions which they reached are that there are three hydrates, one containing 18 molecules of water, one containing 12 molecules, and a third containing 15 or 16 molecules. Interesting particulars were given of the research, which took more than a year to carry through, and incidentally reference was made to the great insolubility of aluminium nitrate in water. A paper was communicated by Dr. Newton Friend, the subject being a cyclic theory to account for the constitution of the metal amines and the ferrocyanides, in the course of which the author gave reasons for rejecting Werner's explanation of the constitution of these bodies. This paper gave rise to a brisk discussion, most of the speakers holding that Dr. Friend had not disproved Werner's hypothesis.

#### HONORARY AND FOREIGN MEMBERS.

The President has issued to the Fellows a statement on this matter. The late Council, on three separate occasions, resolved to take no action. At the Fellows' meeting on May 11 there appeared to be universal agreement in detestation of German malpractices in connection with the war, but the meeting was divided mainly on the question of individual responsibility. Since that meeting the desire to reach an agreement has been very generally expressed, and among the tentative proposals formulated with this object it has been suggested that a resolution on the following lines might be acceptable to the great majority of Fellows:

"That the Fellows of the Chemical Society hereby record their detestation of German malpractices in connection with the war, and while they refrain at the present time from attaching personal responsibility for the initiation of these to individual chemists, they desire to mark their protest by resolving that the names of the following alien enemies: A. von Baeyer, T. Curtius, E. Fischer, C. Graebe, P. H. R. von Groth, W. Nernst, W. Ostwald, O. Wallach, and R. Willstätter, shall not appear in the list of Honorary and Foreign Members so long as the war shall last, after which their position shall be reconsidered."

The adjourned extraordinary general meeting of the Fellows will be held in the theatre of the Civil Service Commission, Burlington House, W., on Wednesday evening, June 21, at eight o'clock. Each Fellow has in the meantime received a voting-paper embodying the above motion and (1) unconditional removal of the names, or (2) retention of the names, with suspension of judgment until after the war. One of these three he is asked to indicate by post.

## Society of Chemical Industry.

#### LONDON SECTION.

A MEETING was held at Burlington House, London, W., on June 5, Mr. A. R. Ling in the chair. The Chairman announced that the Council of the Society had pronounced the ballot taken at the last meeting to be valid (*C. & D.*, May 6, p. 47). He also stated that the annual report of the Committee would be presented at an extra meeting to be held in October. Dr. R. Seligman then read a paper, by himself and Mr. Percy Williams, on *The Action of Nitric Acid on Aluminium*. The authors first gave an idea of the very large employment of aluminium tanks and piping in industries dealing with nitric acid, and mentioned that all nitrating vessels are fitted with aluminium hoods for conveying away nitrous fumes. There have been conflicting reports as to the action of acids on aluminium, and the authors sought to settle the doubts so far as concerns nitric acid. Dr. Seligman explained the various tables displayed on the blackboards, and outlined the methods of research employed. The result of the authors' work is to establish the facts that aluminium can be used with great advantage with strong cold nitric acid, but that with hot nitric acid the life of aluminium is limited. Cold dilute nitric acid can be placed in aluminium vessels, but the life of the aluminium is not long. Empty tanks of aluminium which have contained



nitric acid should be sealed to exclude air, or cleaned out before returning to the works. This is because nitric oxide has a rapid action on aluminium. The metal should be used with great caution in the case of mixed nitric and sulphuric acids. The discussion which followed was taken part in by Professor Hopkinson, Professor Armstrong, and Mr. W. F. Reid. Professor W. B. Bottomley, King's College, then gave a paper on *Bacterised Peat*, in which he dealt with the question of plant-nutrition. Bacterised peat, he pointed out, is put forward as a substitute for stable-manure, and must be used in suitable quantity if good results are to be obtained. It has been tested at Kew Gardens, with the result that no case of failure has been reported. The problem is to produce these results under agricultural conditions. The latter part of the lecture was taken up with a consideration of the part taken by bacterised peat in plant-nutrition. Recent research has shown that accessory food-bodies play an important part in the nutrition of animals, and it is assumed that a similar condition exists in the case of plants. A long series of tests were made by growing the lemnna plant in Detmar's solution, with and without the phospho-tungstate and silver fractions separated from bacterised peat. The result seems to indicate that the analogy between the nutrition of animals and plants holds good. A discussion ensued. There was a good exhibit of British-made chemical glassware by William Toogood, Ltd., 77 Southwark Street, London, S.E. Mr. Weldon, a member of the Society who resides in Natal, said the exhibit was evidence that British supplies of these goods would be forthcoming to replace glassware of Continental manufacture.

#### MEMBERS OF COUNCIL.

The ballot-list for Wednesday, July 19, has been issued to members. Dr. Charles Carpenter is again proposed for the presidency, and as Vice-Presidents Professor F. G. Donnan, F.R.S., and Professor H. Louis are proposed, to take the places of Professor M. T. Bogert and Professor W. H. Ellis, while Mr. D. Lloyd Howard and Mr. H. Hemingway are proposed for re-election. As ordinary members of Council in place of Mr. W. J. A. Butterfield, Professor F. G. Donnan, Mr. G. W. McDonald, and Mr. J. M. Thomson, eight members are proposed—namely, Professor J. W. Bain, Mr. D. P. Dott (Edinburgh), Mr. E. V. Evans (South Metropolitan Gas Co.), Mr. E. Grant Hooper (Government Laboratory), Mr. W. J. Leonard, Mr. R. D. Pullar, Dr. Alfred Ree, and Mr. Edwin Thompson (Liverpool). The last-named, like Mr. Dott, is a pharmacist, and four of the nominees are to be elected. Mr. Thomas Tyrer is again proposed as Hon. Treasurer and Dr. R. Messel as Hon. Foreign Secretary.

### Body-vermin.

SOME papers in the "British Medical Journal" (I., 1916, 784) deal with the methods of preventing and destroying lice. It is stated by Mr. A. D. Peacock, M.Sc., that "N.C.I." is a speedy killing-agent, and is the best all-round vermicide tested. The formula is—

Naphthaline	...	...	96 per cent.
Cresote	...	...	2 per cent.
Iodoform	...	...	2 per cent.

The powder must not be used too freely, particularly at the fork, as severe smarting may be caused. Another investigator, Dr. J. Parlanc Kinloch, shows that the iodoform is useless as an insecticide, and he proposes to replace it by magnesium silicate. It is also suggested that tetrachlorethane, pentachlorethane, or anisol might be employed in place of the cresote. Mr. Peacock's researches also led him to conclude that "vermijelli" is very effective. It should be used to anoint the body from the neck to the knees. It was found that *crude-oil ointment*—

Soft paraffin	...	...	2 lb.
Crude tar oil	...	...	4 oz.

—has a very much higher efficiency than vermijelli. The killing efficiency and general efficiency of "N.C.I." are increased if used in conjunction with vermijelli, and similar results were obtained by using "N.C.I." and crude-oil ointment. Mercury ointment had a high efficiency, but "the nature of the preparation precludes the consistent use which present conditions demand." "White mercury powder" had low killing and general efficiencies, while an ointment of equal parts of flowers of sulphur and soft paraffin proved a complete failure. It should be noted that the naphthaline used in "N.C.I." is commercial naphthaline, containing other hydrocarbons and coal-tar derivatives which increase the efficacy of naphthaline.

## Association Affairs.

**Aberdare Valley.**—A meeting of the Aberdare Valley Chemists' Association was held on May 31 at Mountain Ash, Mr. W. L. Humphreys in the chair. Mr. J. E. Thomas (Aberaman) reported on the proceedings of the Glamorgan Pharmaceutical Committee when the matter of recruiting was discussed, and was thanked for the way he explained the position. Mr. W. H. Jones (Mountain Ash) was congratulated upon having been co-opted as a member of the Mountain Ash Tribunal to represent traders.

**Eastern Counties.**—A joint meeting of the Peterborough and Cambridge Pharmacists' Associations was held at Cambridge on June 1 for the purpose of instituting a scheme for organising local Associations in the Eastern Counties. Alderman Campkin welcomed the delegates, and called upon Mr. J. G. Sturton (Peterborough) to read a paper on *Divisional Organisation*, in the course of which the necessity of grouping local Associations into divisional areas was pointed out. Mr. Herbert Skinner (London) supported the scheme. Mr. J. W. Bodger (Peterborough) proposed a resolution that an East Anglia Federation be formed; this was seconded by Mr. F. W. Cannon (Baldock), supported by Mr. T. J. Mallet (Cambridge), and carried unanimously. A Joint Committee was then formed to carry out the scheme, and votes of thanks were accorded to Mr. Sturton for his paper, and to Mr. Campkin for presiding at the meeting. Mr. Campkin afterwards entertained the delegates to tea and conducted them on a tour round the colleges.—Our Special Correspondent, writing about the meeting, says: The conference was not only very successful from the point of view of the large and influential attendance, but marks a distinct progressive movement in local organisation. For years past both Associations have been engaged in undertaking a good deal of useful spade-work over a very difficult and wide area in the direction of endeavouring to bring the isolated country pharmacist into more direct touch with Association work, and considerable praise must be extended to Mr. J. G. Sturton, of Peterborough, for taking the initiative in formulating a practical idea of extension and consolidation. Mr. Sturton's paper proved to be just the thing that was needed; it stimulated an excellent discussion, and led to something practical coming out of the meeting.

**Great Yarmouth.**—A meeting of the Great Yarmouth Pharmaceutical Association was held on June 1, Mr. H. Goddard (President) in the chair. Mr. Richmond reported as delegate on the Local Associations Conference, and was accorded a vote of thanks. The Checking Bureau reported on the January prescription-checking, and the report was generally considered satisfactory.

**Harrogate.**—The annual meeting of the Harrogate Pharmaceutical Association was held on May 26, Mr. O. R. Windemer (President) in the chair. The Treasurer (Mr. G. Fenn) reported a balance in hand of 11*l.* 8*s.* 6*d.* Mr. A. Mortimer, the Hon. Secretary, also presented his report, which was adopted. The following officers were elected for the ensuing year: *President*, Mr. A. W. Wood; *Vice-President*, Mr. J. W. Harper; *Treasurer*, Mr. W. Simpson; *Trade Secretary*, Mr. J. M. Dawson; *Auditor*, Mr. Lambert Foster; *"Salinettes" Manager*, Mr. G. Weston; *Committee*, Mr. Atkinson, Mr. Fenn, Mr. Handford, Mr. Windemer; *Hon. Secretary*, Mr. A. Mortimer.

**Huddersfield.**—The Huddersfield Chemists' Association met on May 30, and considered the request of the Military Representative of the Huddersfield Tribunal to release more single men for the Army. It was pointed out that the call for men has pressed heavily upon some of the members. The matter was left in the hands of the President (Mr. Vincent Shaw) and Messrs. Walshaw and Russell to deal with. A report of the proceedings at the Local Associations Conference was given by the President.

**London (S.E.).**—The annual meeting of the South-East London Pharmacists' Association was held on June 1, Mr. A. J. Wing (President) in the chair. The Secretary's report was read and adopted, as was also the Treasurer's report. The latter showed assets amounting to 32*l.* 13*s.* 2*d.* The election of officers then took place as follows: *President*, Mr. A. J. Wing (re-elected); *Vice-Presidents*, Messrs. Hapgood, Sayers, and Siddle; *Treasurer*, Mr. W. Ralph; *Hon. Secretary*, Mr. J. Milner; *Financial Secretary*, Mr. W. Tucker; *Trade Secretary*, Mr. G. Corral; *Auditor*, Mr. W. A. Elkington; *Council*, Messrs. Brooks, Curnow, Sinclair, Green, Harris, Lockyer, Waite, Wilson, Price, Foster, and Edwards. Messrs. Wing, Sayers, Siddle, and Milner were appointed to represent the Association on the London County Executive. Votes of thanks were given to the officers for their work on behalf of the Association.



**Manchester.**—Mr. William Kirkby, M.Sc., presided at a special meeting of the Pharmaceutical Association on May 31. Thirty-five members were present, and Mr. Kirkby, having thanked them for electing him, introduced the discussion on *The Minimum Price-list*, which had been subscribed to by over 100 members of the Association. After some discussion, it was announced that Mr. F. W. Bates, J.P., will act as Hon. Secretary. Mr. Bates said they hoped in time to include every retail chemist in business in Manchester and Salford as members of this scheme. He thought now is an opportune time to raise the general standard of prices and stick to them. Mr. W. H. Delve also commended. Mr. A. Hershsberg, as Insurance Secretary, then gave an account of his visit with Mr. Bates, the Chairman, to the Conference in London; and Mr. Bates also spoke, paying tribute to the manner in which Mr. Edmund White conducted the proceedings. The President moved, and Mr. Harry Kemp seconded, a vote of thanks to Mr. Bates and Mr. Hershsberg, which was agreed to. Mr. Bates then introduced the subject of *The Northern Counties Federation*, and, after discussion, proposed: "That this meeting is in favour of forming a Federation of Pharmaceutical Associations throughout Lancashire, with a further extension to adjoining areas if advisable." Mr. Hershsberg seconded, Mr. Delve supported, and the motion was carried. The company, on the President's invitation, then took tea with him, this new feature giving great pleasure as opening the way to a helpful and useful chat.

**Middlesbrough.**—A meeting of the Middlesbrough Chemists' Association was held on June 1, Mr. Plowman (President) in the chair. A satisfactory arrangement with the military authorities was announced in regard to the enlistment of chemists. The majority of the local pharmacists have agreed to close not later than 8 p.m. Mondays, Tuesdays, and Thursdays, and the fact is being advertised in the local Press. There was a discussion on the question of opening on the evening of Wednesday (the half-holiday day). No action was taken, but there was a strong feeling that a rota could easily be arranged if needed. Mr. A. C. Gaddes (Vice-President) was nominated for the Presidency next session.

**West Bromwich.**—A meeting of the West Bromwich Pharmaceutical Association was held on May 30, Mr. M. H. Griffith (President) in the chair. The President gave his report as delegate to the Local Associations Conference. Mr. J. Lock (Chairman of the Pharmaceutical Committee) said he intends raising the question of the insufficiency of the 0.6d. establishment-fee at a future meeting; and Mr. White (Oldbury) mentioned some of the anomalies of the "mile-limit" regulation.—On May 31, a tea and social gathering took place at "Southmead," St. Agnes Road,

**Monmouthshire.**—A meeting of the Monmouthshire County Pharmaceutical Association was held at Pontllanfraith on June 1, Mr. W. Parry Williams (President) in the chair. The President reported as delegate to the Local Associations Conference, and Mr. F. Clarke told the meeting of the position regarding military service. A list of minimum retail prices was adopted, and a Sub-Committee, consisting of the officers with Mr. A. Francis (New Tredegar), Mr. Morgan (Ystrad-Mynach), and Mr. F. Evans (Cwmfelinfach), was appointed to deal with urgent matters connected with the Association.

**Southend-on-Sea.**—A meeting of the Southend-on-Sea Association of Pharmacists was held on June 1, Mr. Sydney F. Body (President) in the chair. It was agreed to close all pharmacies at 8.30 p.m. on Mondays, Tuesdays, Thursdays, and Fridays, and on Saturdays at 10.30. On Wednesday (half-holiday) the closing-time is 1 p.m. It was agreed to take a canvass of the trade with a view to obtaining an order under the Shops Act. The President reported on the Local Associations Conference and emphasised the need of union among panel pharmacists and a Federation of Pharmaceutical Committees. As a result of a canvass of panel chemists it was found that there is a unanimous desire to establish a dispensing rota on closing-days and after hours. Mr. G. Wilson was elected a member of the Pharmaceutical Committee in place of Mr. Baker, who has resigned. Mr. J. G. Cowe (Secretary) read the report of the Central Checking Bureau on the January prescriptions.

**Torquay.**—A meeting of the Torquay Pharmacists' Association was held on June 1. The report of the Executive referred to correspondence with the Pharmaceutical Society in regard to means of bringing Associations into closer touch with the Society. It was suggested that official communications should be sent to district Associations as well as to county Associations. The Treasurer's report showed a balance in hand of 4l. 9s. 8d.

## Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

### Reports from Local Centres.

#### ENGLAND.

**Hampshire.**—The decision of the National Health Insurance Commissioners on the question of "Rep. mist." has been received (*C. & D.*, May 27, p. 36). It follows the same lines as other decisions issued by the Commissioners, and permits the use during the period of the war and for three months afterwards of "Rep. mist." prescriptions, with certain limitations and reservations.

**Manchester.**—The Pharmaceutical Committee met on June 7, when a report was read from the Superintendent of the Pharmaceutical Checking Bureau in London, explaining the work that had been carried out on behalf of the Committee, and testifying to the able manner in which the prescriptions had been priced by the Manchester Insurance Committee. The Committee considered that the work done by the Checking Bureau had been of great service, and the money had been well spent.

**Sheffield.**—The Insurance Committee on June 7 decided to allow, as a temporary measure, Dr. C. C. W. Mays to carry on the practice of the late Dr. Allen, and Dr. Telford Martin that of the late Lieut.-Colonel J. W. Stokes; also that Dr. J. B. H. Holroyd be allowed to cancel his surgery-hours on Thursday afternoon. The Clerk reported receipt of a letter from the Commissioners about a further payment of 5 per cent. of the amount due to doctors and chemists for the year 1915. The Commissioners stated that they have under consideration the practicability of effecting a settlement at a comparatively early date, and suggested that a further payment should be deferred for the present. As the advance to chemists has not exceeded the usual advance, they offer no objections to a further 5 per cent. being paid, which amounts to 613l. 16s. 4d.; also the balance of the accounts for the month which ended on February 29, 259l. 6s. 7d., and, at the rate of 4d. per script, 719l. 10s. 4d. for April.—Mr. H. G. Williams presided at a meeting of the Pharmaceutical Committee on June 5. The Secretary submitted the Pharmaceutical Society's circular, P.S. 25, about the new Military Service Act, and it was decided that no further action was necessary. It was also agreed that no method of prescription-pricing be arranged for without previous conference between the Central Checking Bureau and the Insurance Committee or the Pricing Bureau. A complaint had been referred by the Committee to the Insurance Committee of a panel doctor issuing blank



This group was photographed by Mr. A. S. Barnes.

In the Top Row.—Messrs. Gordon Griffith, I. M. Withers, and C. Kemsey-Bourne.

The Middle Row is made up of Mr. Keene, Mr. M. H. Griffith (President), Mrs. M. H. Griffith, Mrs. Gordon Griffith, Mrs. I. M. Withers, Mrs. Keene, Mrs. Rex Allen, Mr. Rex Allen, Mrs. Gibson, Mr. Kennard, and Mr. Gibson (Wolverhampton).

In the Front Row are Mrs. Barnes, Mrs. Gerrard-Smith, Miss Gerrard, Mr. A. W. Gerrard, Miss Gerrard, and Master Gerrard-Smith is the coming man at the bottom.

Moseley, on the invitation of Mr. A. W. Gerrard and the Misses Gerrard. Bowls were played before tea, and a photograph of the party was taken. After tea there were songs, the proceedings closing with a vote of thanks to the host and hostesses.



prescription-forms signed, to be filled by the chemist, previously agreed upon. The Insurance Committee's attention was called to the objectionable features of this. The doctor wrote explaining that the practice had originated during his late illness; he entirely disagreed with it, and promised that it should not recur. The Committee accepted the explanation, and agreed that the matter should drop. A panel chemist wrote objecting to the high price of checking the pricing of prescriptions, which worked out at between 14s. and 15s. per 1,000, while the actual pricing cost under 10s. per 1,000. The Secretary was instructed to point out that the expenses deducted from chemists' accounts also include the administrative expenses of the Committee, which must not be added to the price of checking. The Chairman and Secretary reported on the Conference in London. The Secretary stated that he was a delegate to interview the Commissioners in London on the following day in regard to the payment of 1914 drug accounts. Chemists' accounts amounted to 16,891*l.*, and payment was made of 14,017*l.*, or nearly 83 per cent.; on the average count of patients 2,120*l.* more should have been paid, or, based on 1913 settlement, 1,680*l.* more.—Councillor A. Neal, Dr. Forbes, and Mr. H. Antcliffe, representing the Insurance, Panel, and Pharmaceutical Committees, with Mr. Siddall as Clerk, were at Wellington House, London, on Tuesday, received as a deputation by Mr. S. P. Vivian. Mr. Neal explained the deficits in payment, and Mr. Antcliffe also spoke. Mr. Vivian, in his reply, stated that the original promise of 6s. 6*d.* per insured person to doctors, and 2s. to chemists, had been kept. He explained difficulties which have arisen, such as the names of insured persons being given on two lists, and said this had happened in Sheffield and accounted for the deduction complained of. This could not be adjusted, he thought, until they were centrally classified. This had been commenced, but was dropped owing to the war. He accounted for the smaller payment in 1914 by enlistment and mobilisation of Territorials. He explained the emergency settlement of chemists' accounts for 1914, and mentioned that those who had not accepted that would be paid the proposed 85 per cent. At the conclusion of a long interview, Mr. Neal thanked the Commissioners.

**Warwickshire.**—A meeting of the Warwickshire Pharmaceutical Committee was held on May 31 at Leamington, Mr. Hutton presiding. The Secretary was instructed to write to the Insurance Committee pressing for payment of the balance of 1915 accounts and a fulfilment of the pledge of prompt payment of 1916 accounts. It was also decided to remind the Panel Committee of the Pharmaceutical Committee's strong objections to the adoption of the principle of medicines in bulk in preference to proper dispensing.

#### SCOTLAND. Chemists' Accounts.

The Central Checking Bureau has completed the pricing of April prescriptions for the whole of Scotland, this fact showing that the Bureau has wiped off arrears. The Superintendent (Mr. A. B. Gilmour) has sent to each Insurance Committee a statistical statement for 1915 relating to the prescribing of every panel practitioner in the district covered by each Committee. The figures are given for each month of the year, and the following totals show the nature of the information given: Number of forms, 4,535; total value of forms, 167*l.* 6s. 8*d.*; average value of forms, 8.85*d.*; number of forms 1s. or over, 622; cost per person on panel, 18.31*d.*; frequency, 2.02; V. forms 1, value 1s. 2½*d.*; and stock forms 13, value 16*l.* 14s. 4*d.*

**Falkirk.**—The increased cost of prescriptions was mentioned at the meeting of the Insurance Committee last week. The accounts for the first quarter of the year had increased enormously, and a Sub-Committee reported that the funds would be insufficient to cover the cost if the high rate continued. A bonus of 33 per cent. had been paid to chemists in the first year, and a bonus was also paid in the second year. The charge for prescriptions had increased from 8*d.* to 10½*d.*, and is now 11½*d.* It was agreed that the Finance Sub-Committee should meet the doctors and Pharmaceutical Committee, along with Dr. Cullen, of the National Health Insurance Commission. A panel doctor was recently fined five guineas by the Insurance Committee for infringement of medical-certification rules, but the Scottish Insurance Commissioners have decided to deduct 50*l.* from the grant to be paid to the Insurance Committee, leaving it to deduct that sum from the payments to the doctor. The Committee protested.

**G. B. KENT & SONS, LTD.**—The directors have declared the usual dividend at the rate of 5½ per cent. per annum upon the Cumulative Participating Preference shares for the six months ended March 31, 1916.

## Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

#### 42 Cannon Street, E.C., June 8, 5.30 p.m.

BUSINESS in chemicals and drugs continues to improve in several directions, and, in spite of the restricted conditions, export trading last month, judging by the Board of Trade figures, was very satisfactory. The cutting of prices in several of the prominent chemicals has, however, become more severe, these including a drastic reduction in bromides, following a decline in Amcriea. Other products showing a declining tendency in dealers' hands comprise acetanilide, bismuth salts, chloral hydrate, salicylates, and quinine. On the other hand, rather higher prices have been paid for potash permanganate, pyrogallol acid, the benzoates, and barbitone. Menthol and Japanese mint oil are lower to arrive. Cod-liver oil has been selling at more reasonable rates, and a good business has been done in Rio ipecacuanha.

Higher	Firmer	Easier	Lower
Ammon. carb.	Ammonia	Anise oil, star	Acetanilide
Bromoform	Sulphate	Bismuth carb.	Bismuth
Bromo-tyrol	Barbitone	Bismuth	salicylate
Heliotropine	Benzoic acid	subnitrate	Bromides
Pyrogallol acid	Chamomiles	Chloral	Canary-seed
Rosin	Cream of	hydrate	Coconut oil
Saccharin	tartar	Epsom salt	Cotton-seed
	Pot. permang.	Phenazone	oil (cr.)
	Soda benzoate	Soda salicylate	Linseed oil
		Soya oil	Menthol (c.i.f.)
		Sulphonal	Mint oil (Jap.)
			(e.i.f.)
			Palm oil
			(L'pool)
			Rape oil
			Turmeric
			Turpentine

#### Cablegram.

NEW YORK, June 8.—Business in drugs is active. Curaçao aloes in eases is easier at 11*l.* per lb. Cartagena ipecacuanha has declined to \$2.20. Taraxacum is higher at 35*c.* and Mexican sarsaparilla is firmer at 10½*c.* Belladonna-root has advanced to \$2.35. Buckthorn-bark is lower at 55*c.*, and Canada fir-balsam has advanced to \$5.50.

ACETANILIDE is easier at 8s. 6*d.* per lb. net.

ACETIC ACID.—Glacial remains on the firm side at about 260s. per cwt. for limited quantities for prompt delivery from the works; 80-per-cent. commercial is 170s. These high prices are affecting consumption.

ACETYL SALICYLIC ACID is unaltered at from 47s. to 47s. 6*d.* per lb. from dealers' hands in small lots.

AGAR-AGAR.—No. 1 Kobe strip is offered at 2s. 7*d.* per lb. on the spot.

AMMONIA SULPHATE steadier at 15*l.* 17s. 6*d.* to 16*l.* net naked at works in London for 25-per-cent. ammonia for prompt delivery. Hull prompt (24-per-cent.) is 16*l.* 15s., Liverpool is 17*l.*, and Leith is 17*l.* per ton for prompt, less 3½ per cent. in bags f.o.b.

ANISE OIL (STAR).—"Red Ship" to arrive is easier at 3s. 4½*d.* per lb. c.i.f., and on the spot 3s. 5½*d.* has been paid.

ANISEED is slow of sale at 55s. per cwt. for good Spanish. ANTIMONY.—Chinese crude is offered at 70*l.* per ton on the spot, and at 55*l.* c.i.f. for June-July shipment.

APRICOT-KERNELS.—At auction 275 bags Californian (in prize) sold at from 44s. to 45s. per cwt.

ARROWROOT.—Good manufacturing St. Vincent is offered at 3½*d.* on spot.

BARBITONE is dearer at from 72s. to 75s. per lb.



**BENZOATES** are again higher, benzoic acid ex toluol and benzoate of soda offering at 20s. net as to quantity. Supplies are becoming very scarce, owing to the fact that much stricter supervision is being exercised as to imports from neutral countries.

**BISMUTH-SALTS.**—Carbonate is offered at 12s. 9d., sub-nitrate at 13s. 6d., and salicylate at 23s., all net, being easier.

**BROMIDES.**—Following on a decline of 50c. per lb. in the prices of American makers, which appears to be due to competition and not to increased output, a drastic reduction has also taken place on this side. For several weeks past dealers and importers had been gradually easing prices, especially of American potassium and sodium, but the principal English dealers have startled the market by reducing their previous nominal rates on potassium by 8s., sodium by 4s., and ammonium by 7s. per lb., making the respective prices 16s., 13s., and 15s. per lb. There are some very low offers of sodium bromide from dealers, but buyers should take care that what they buy is pure, as there is at present on the market a sodium salt of transatlantic origin which has been found to contain over 8 per cent. of sodium chloride.

**BROMOFORM** is very scarce and dearer at 37s. per lb.

**BROMSTYROL** is dearer at 40s. per lb. net.

**CAMPHOR (REFINED).**—Japanese is steady, the sales including 2½-lb. slabs at 1s. 8d. per lb. on the spot, and about 1s. 7½d. c.i.f. is quoted.

**CANARY-SEED** is lower at 67s. 6d. to 72s. 6d. per quarter for ordinary to good Morocco.

**CARAWAY-SEED** is steady at 93s. to 95s. per cwt. for good Dutch on the spot.

**CARDAMOMS.**—The exports from Ceylon during the period January 1 to May 1, 1916, were 200,894 lb., against 179,202 lb. in 1915, 156,396 lb. in 1914, and 179,391 lb. in 1913.

**CASCARA SAGRADA** is selling at from 65s. to 65s. per cwt. on the spot as to age. The London stock on May 31, 1916, was 115 tons, against 95 tons at the corresponding period of 1915.

**CASSIA OIL.**—Forward sellers of 80 to 85 per cent. c.a. quote 4s. 2d. c.i.f. and 4s. 3d. on the spot.

**CASTOR OIL.**—The undertone continues easy owing to the larger available supplies. English medicinal can be had at 62s. 6d. per cwt., and first pressing at 55s. in barrels. Finest medicinal Italian in tins in cases is quoted at 100s. per cwt. In Liverpool, good seconds Calcutta is quoted at from 4½d. to 5d. per lb.

**CHAMOMILES.**—Stocks are getting into smaller compass on the spot, practically no white being available; fair brown offer at 125s. on the spot.

**CHLORAL HYDRATE** is easier, crystals offering at 10s. per lb. in bond.

**CINCHONA.**—The declarations for the tender to be held at Amsterdam on June 7 will consist of 11,153 packages, weighing 955,100 kilos. Java manufacturing bark, with a quinine-sulphate content of 57,474 kilos. The average percentage of quinine is 6.02. The exports of bark from Java during May amounted to 850,000 Amst. lb., against 901,000 Amst. lb. in 1915 and 1,224,000 Amst. lb. in 1914.

**CITRIC ACID.**—The spot price is 3s. 8d. per lb.

**CLOVE OIL.**—Best English distilled is offering at 5s. 6d. per lb., with makers still very busy.

**CLOVES.**—Steady, with sellers of fair Zanzibar on spot at 6½d., and to arrive, April-June shipment at 6½d. c.i.f. d.w.; June-August delivery is quoted at 6½d., and August-October at 6½d.

**COCA-LEAVES.**—Truxillo on the spot offer at from 6d. to 7½d. per lb. as to quality.

**COCAINE HYDROCHLORIDE** is offered at about 22s. 6d. per oz. less 5 per cent., and the pure is about 25s. 6d.

**CODEINE** is unchanged, the alkaloid pure crystals offering at 22s. per oz.

**COD-LIVER OIL.**—Our Bergen correspondent writes on May 28 that the Finmarken fishing has hitherto given quite miserable results; we are now in the middle of the fishing, when the catch regularly amounts to from four to five millions of cod. Last week the output was not much more than half a million and the reports are unanimous in characterising the fishing as closing. The official reports give the following totals up to date:

#### Finmarken.

	1913	1914	1915	1916
Catch of cod (millions) ...	25.5	13.8	9.1	5.6
Yield of c.l.o. (hect.) ...	16 300	9,300	6,700	5,630

#### The Whole Country.

	1913	1914	1915	1916
Catch of cod (millions) ...	66.6	71.7	59.9	47
Yield of c.l.o. (hect.) ...	41 800	52,100	48,300	55,200

Business is quite at a standstill in oil, and the nominal quotation is from 650s. to 700s. per barrel for prime non-

congealing quality. In one quarter in the North a fair business has been done for prompt delivery at 500s. and under. In London practically no business is reported, agents quoting from 600s. to 650s. per barrel e.i.f. terms; small spot sales of 1914 of finest medicinal quality have been made at 500s. per barrel.

**CORIANDER-SEED** is quiet, but firm, at 20s. to 22s. 6d. per cwt. for common to good Morocco.

**CREAM OF TARTAR.**—Rather firmer at 207s. 6d. per cwt. for 98-per-cent. powder.

**CUMIN-SEED.**—Some business is reported at 77s. 6d. to 80s. per cwt., c.i.f. terms, for new-crop Morocco, June-July shipment.

**EPSOM SALT** is easier, druggists' quality offering at from 13s. per ton and upwards.

**EUCALYPTUS OIL** is quoted at from 2s. 3d. to 2s. 5d. per lb., the latter for 70-per-cent. Amygdalina is 1s. 6d. per lb.

**FENNEL-SEED** has been sold at 30s. to 32s. 6d. per cwt. for ordinary to good quality.

**FORMALDEHYDE.**—Small spot sales are taking place at 105s. per cwt., but to come forward less will buy.

**GENTIAN.**—To arrive in at least 10-ton lots 65s. per cwt. c.i.f. is quoted; there appear to be only trifling quantities offered on the spot.

**HELIOTROPINE** is dearer at 23s. 6d. per lb. net for crystals.

**HECQUANHA.**—A very fair quantity of Matto Grosso has been sold to makers of emetine at prices which have not transpired, since when the market is called "firmer," especially as Brazilian interests have eabled that the present London prices are "not satisfactory."

**LANOLINE** is easier, B.P. anhydrous offering at 3s. 9d., and hydrous at 3s. 6d. net.

**LAVERDER OIL.**—Genuine Mont Blanc is offered at from 14s. 6d. to 15s. per lb. French *Spike* lavender is quoted at 4s. 6d., and Spanish at 2s. 9d. per lb.

**LEMON OIL** remains flat at 3s. 6d. per lb. c.i.f. and 3s. 9d. on the spot. Terpeneless is quoted at from 55s. to 60s. for finest. A Sicilian advice, dated May 26, reports that throughout the month the market for essential oils was quiet generally. There was practically no demand for lemon oil, and some holders were induced to shade their prices, although they were already very low, despite the general reservedness of the majority of holders and producers.

**LINSEED** is quiet at 85s. per quarter for good Morocco.

**MENTHOL** is lower for arrival, with sellers of June-August shipment at 10s. 6d. c.i.f. for Kobayashi-Suzuki, and on the spot 12s. is quoted. The exports from Japan during February were 39,061 kin, valued at 246,717 yen, and during the two months January-February the exports amounted to 81,658 kin, valued at 512,508 yen.

**METHYL SALICYLATE** is offered freely from New York, whence \$2.25 per lb. is quoted. The spot value is 12s. 6d. to 13s., though slightly less would be accepted.

**MINT OIL** is lower for arrival, Japanese dementholised offering at 3s. 3d. per lb. c.i.f. for June-August shipment.

**MORPHINE** is unchanged at from 13s. 3d. to 13s. 6d. per oz. net for hydrochloride powder.

**OPIMUM** is unchanged and dull at the prices quoted last week.

**ORANGE OIL.**—A Sicilian advice, dated May 26, reports the position as being a little less firm, although stocks are not important. To arrive, pure sweet is offered at 11s. 3d. per lb. c.i.f.

**PEPPERMINT OIL.**—American is quiet, with the usual brands of tin oil offering at from 8s. 3d. to 8s. 6d., and to arrive at 8s. 6d. net. H.G.H. is quoted at from 12s. 9d. to 13s. per lb.

**PHENACETIN** remains very scarce for prompt delivery at 85s. per lb. for small lots.

**PHENAZONE** is offered at from 65s. to 67s. 6d. per lb. for prompt delivery.

**PILOCARPINE.**—Hydrochloride is almost unobtainable. Nitrate is quoted a shade under 19s. per oz.

**POTASH BICHROMATE** can be had in small lots from dealers at 1s. 10d. per lb.

**POTASH PERMANGANATE**, after selling at from 7s. 6d. to 8s. per lb., is now quoted at from 8s. to 8s. 6d.

**PYROGALLIC ACID** is dearer at 15s. 6d. per lb. net for resublimed and 16s. for crystals.

**QUICKSILVER** is steady at from 16l. 12s. 6d. to 16l. 15s. per bottle for small lots of Spanish. The "Boston News Bureau," in tabulating the decline in this year's high point of certain metals in the U.S.A., states that quicksilver touched \$300 per flask in 1916, the current price being \$90 [since declined to \$80.—Ed.]. The American corner in the metal was smashed by the action of the British Government in releasing a quantity for the U.S.A.

**QUININE.**—We understand that it is very difficult to engage freight from Java owing to the scarcity of steamers,



and for that reason it is anticipated that no shipments of bark will be made during July. With this anticipated falling-off the position of quinine may become stronger later in the year. Makers report the consumption as "good," their prices being firm. In the speculative market, however, several holders, having become tired, are prepared to make sacrifices below current values, offers having been made to sell quantity at 3s. per oz., but for small lots 3s. 2d. is quoted. The London stock on May 31, 1916, was 1,417,216 oz., against 2,263,632 oz. in May 1915; the landings during May were 153,008 oz., and the deliveries 39,936 oz.

RESORCIN is now obtainable in limited quantities at 87s. 6d. net.

SACCHARIN.—Dealers quote from 125s. to 130s. per lb. for 550-strength.

SALICYLATES are easier. Salicylic acid of English B.P. quality is offered at 16s. per lb. net, and crystals at 17s. net; U.S.P. quality is 16s. net. Sodium salicylate of U.S.P. quality is 17s. net.

SHELLAC.—Very quiet, with small sales on a basis of 92s. 6d. for usual standard TN Orange; fine Orange is worth 120s. to 125s., and fair free AC Garnet 89s. spot. Futures quiet, with sales of August delivery at 92s. to 91s. 6d.

SODA-ASH.—Makers being very heavily engaged, they apparently have nothing to offer. Small parcels in second-hands have been sold at extremely high figures to necessitous buyers.

SODA HYPOSULPHITE.—Ordinary crystals in casks offer at 14l. 10s., and pea crystals in kegs at about 17l. per ton ex wharf.

SOY is nominally 2s. 9d. per gal., duty paid, for Seulong brand.

STAVESACRE-SEED offers at 89s. per cwt. on the spot.

SULPHONAL is offered at the easier rate of 33s. net for crystals and 33s. 6d. net for powdered; some holders, however, ask 35s.

TARTARIC ACID.—The arrivals having been larger than anticipated, lower offers are being made in certain quarters, it being possible to buy at 3s. 8d. per lb.

TURMERIC.—The larger arrivals have eased prices, fair Madras finger offering at 42s. 6d. to 45s., and fair Bengal finger at 49s. per cwt. Cochin split bulbs are quoted at 25s.

TURPENTINE has declined 1s. per cwt. on balance, closing at 42s. 3d. for American on the spot.

### Arrivals of Chemicals, Drugs, etc.

THE following is a selection of arrivals during the period May 30 to June 6 inclusive, in the English ports named. Goods in transit are not included. The figures refer to the packages—e.g., cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:

*To London.*  
Acetic acid (N.Y.) 267 brls.  
Agar-agar 45  
Albumen 88 cs.  
Alcohol (Fr.) 250 cks.  
Alcohol wood (U.S.A.) 447 dms.  
Alces (B'bay) 100 kgs., (Aden) 12 cs., (N.Y.) 55 cs., (Cape) 49  
Alum (N.Y.) 300 brls.  
Ammonia (N.Y.) brls. 262  
Anise oil, star 20 cs.  
Annatto-seed 10, (W.I.) 200, (E.I.) 118  
Antim. cr. 553 cs.  
Antim. ore 3,013  
Apricot-kern. 137  
Arachis oil 5,950 cs. 396 cks.  
Argol (Fr.) 874  
Arrowroot (St. V.) 3,953  
Arsenic 43 cks.  
Benzoin 152 cs.  
Bismuth ore 124 bgs.  
Calamus-root 30  
Calcium cit. (Sic.) 60 cks.  
Calcium phosph. (N.Y.) 100 kgs.  
Camphor cr. 385 cs.  
Camphor ref. 589 cs.  
Canary-seed 643  
Capsicums (E.I.) 250  
Caraway oil 5 cs.  
Caraway-seed 205  
Cardamoms 327  
Cascara sag. (N.Y.) 90  
Casein (Fr.) 90, (E.I.) 340  
Cashew-nuts 178  
Cassia-bark (Jap.) 406, (H.-Kong) 2,800 bls. 3,567 cs.  
Cassia-buds 50 cs.  
Cassia fist. (A'dam) 20  
Cassia oil 30 cs.  
Castor oil (Madras) 126 cks.  
Chamomiles (Fr.) 10  
Chaulmoogra oil 19 cs.  
Chemical prod. (H.-Kong) 23 cs., (Fr.) 73 pkgs.  
Chemicals, drugs, perf., etc. (N.Y.) 2,581 pkgs.  
Chillies (E.I.) 1,228, (Jap.) 50  
Cinchona 12 cs., (N.Y.) 100 bls.  
Cinnamon quills 300; chips 260; featherings 307  
Citric acid (Palermo) 50 cks., (Fr.) 10 cs.  
Citronella oil (Fr.) 10 dms.  
Cochineal 10  
Coconut oil (Jap.) 40 brls., (Cey.) 1,355 pkgs. 555 pps. 18 pns. 18 hds.  
Cod-l. oil (R'dam) 50 cs.  
Copa 15,789  
Cottonseed 2,459 t.  
Cream of tartar (Fr.) 301 cks., (Patras) 80 brls., (It.) 50 brls.  
Croton-seed 132  
Cumin-seed 4  
Cuttle-fish b. 23 cs. 6 bgs.  
Divi-divi 507  
Drugs (Fr.) 21 cs. 4 brls., (N.Y.) 89 pkgs. 80 cs.  
Egg-yolk 598 cs. 171 cks.  
Elemi 50 cs.  
Essential oils (Fr.) 80 cs. 3 dms., (Ch.) 50 cs., (Sic.) 78 pkgs. 14 ½-cs., (N.Y.) 5 dms. 52 cs. (see also Lemon oil)  
Farina (N.Y.) 500  
Fennel-seed 52  
Fig syrup 2,100 cs.  
Fish oil 1,000 cs. 80 pkgs.  
Formaldehyde (N.Y.) 430  
Galls (Ch.) 124  
Gentian (Fr.) 18

Ginger (E.I.) 357, (Jap.) 100, (W.I.) 770 bgs. 168 brls.  
G. acacia (E.I.) 280  
G. copal 1,670  
G. damar 1,492  
G. euphorbia 6  
G. sandarac 190 bgs. 56 brls.  
Gums, undescribed (E.I.) 49 bgs., (Fr.) 325 pkgs., (Mogador) 44, (B'bay) 154 bgs.  
Herbs (Japan) 15  
Herring oil (Jap.) 500 cs.  
Honey (N.Y.) 1,046 cs., (W.I.) 358 cks.  
Indigo (E.I.) 293 cs., (Ch.) 30 cs.  
Insect-flow. (Jap.) 25  
Insect-powd. (Fr.) 84  
Iodine (Chile) 142  
Jalap 105 bgs.  
Kava-kava 30  
Kola 12  
Lemon-juice, raw 3 pps. 42 ½-pps.  
Lemon oil (Sic.) 115 pkgs. (see also Ess. oils)  
Lime-juice 11 cks. 16 pps. 43 dms. 155 pns. 16 hds.  
Linseed (E.I.) 57,922  
Liquorice 5 cs.  
Liquorice-paste sub. 450 cs.  
Logwood 200 tons; roots 52 tons  
Mace 160 cs.  
Magnesite 1,221 bgs.  
Manna 10 cs.  
Mastich (Fr.) 12 cs.  
Medicines (Jap.) 10 cs., (Fr.) 35 cs.  
Menthol 187 cs.  
Milk-powder 150 brls. 241 cs.  
Milk-sugar (Amst.) 100  
Mint oil and crystals 175 cs.  
Molasses 2,540 tons 960 pns.  
Myrrh (Aden) 14  
Niger-seed 350  
Nutmegs 125  
Nutmegs and mace 150  
Nux vom. (N.Y.) 24, (E.I.) 1,210  
Oleum 100 brls.  
Olibanum 104  
Olive oil (It.) 264 cks., (Fr.) 37 cs.  
Orange oil (W.I.) 25 cs.  
Oxalic acid 31 cks.  
Palma-rosa oil 8 pots  
Panopenton 252 cs.  
Papain (Cey.) 9  
Pepper 2,401  
Perfumery (Fr.) 454 pkgs. 81 chys. 6 bkts.  
Pimento 5,619 bgs. 76 ½-bgs.  
Potash iodid. (Jap.) 20 cs.  
Potashes (Mon.) 8 brls.  
Quinine (Amst.) 81 cks.  
Rape oil 1,450 cs.  
Rape-seed 7,698  
Rhubarb 70 cs.  
Rochelle salt 50 brls.  
Roots, barks, herbs, etc. (Fr.) 727 bls., (N.Y.) 66  
Saltpetre 5,079  
Sandalwood 584  
Sandalwood oil (Madras) 3 cs.  
Sarsaparilla (Jam.) 9  
Senna (Tv.) 200  
Sesame-seed 16,190  
Soda benz. (Fr.) 4 cks.  
Soy 400 cks.  
Soya-beans 1,520  
Soya oil 2,985 cs. 1,000 cks.  
Spices (Grenada) 250 pkgs.  
Sulphur 4,110  
Sunach (Tunis) 6,500 bgs.  
Sunflower-seed 215  
Tartar (Patras) 20 brls.  
Tartaric acid (Naples) 200 pkgs., (Genoa) 60 cs., (Fr.) 85 cs.  
Tragacanth (B'bay) 112 pkgs.  
Turmeric 2,289  
Turpentine (U.S.A.) 2,500 brls.  
Valonea 1,168  
Vanillin (N.Y.) 24 cs.  
Vaseline 652 cs. 30 brls.  
Vermillion 10 cs.  
Wax, bees' (E.I.) 34 cs. 27 pkgs., (Sp.) 5, (Jam.) 8, (Port.) 20, (N.Y.) 67 cs., (Mor.) 161  
Wax, veget. 25  
Whale oil 5,500  
Wood oil 2,186 cs.  
*To Liverpool.*  
Acetic acid, glac. (N.Y.) 132 brls.; 597 brls.  
Acetone (N.Y.) 100 dms.  
Alcohol (N.Y.) 14  
Anhyd. ammon. 610  
Aniline salt (N.Y.) 10 brls.; oil 40 cs.  
Antim. ore 11,941  
Argol (Port.) 640  
Babassu-kern. 3,261  
Balsams (Para) 200 cs. 5 brls.  
Barytes (Sp.) 6,000  
Betanaphthol (N.Y.) 7 brls. 10 cks.  
Bismuth ore 243  
Bromine (N.Y.) 76 cs.  
Calcium acetate (N.Y.) 2,856 bgs.  
Calcium cit. (W.I.) 39  
Canary-seed 670  
Caraway-seed 200  
Cashew-nuts (N.Y.) 100  
Chemical prod. (N.Y.) 40 cs.  
Chillies (Af.) 95  
Citric acid (Palermo) 40 cks.  
Cochineal 23  
*To Bristol.*—Linseed (B. Ayres) 73,400 cwt. *To Folkestone.*—Chemical prod. (Fr.) 8 pkgs.; drugs (Fr.) 97 pkgs.; perfumery (Fr.) 114 pkgs. *To Goole.*—Essential oils (Fr.) 28 cs. *To Grimsby.*—Colours (Fr.) 324 pkgs.; dyes 219 cks. *To Hull.*—Caraway-seed 206; chemicals (Fr.) 252 bgs.; cod-liver oil (Aalesund) 100 brls.; cottonseed 2,080 tons; formic acid (R'dam) 60 blns. 72 chys.; linseed (R. Pl.) 83,380; sulphur 192 cks. *To Manchester.*—Arachis oil 90 cks.; calcium phosph. (U.S.A.) 100 brls.; citric acid (Fr.) 20 cs., (Palermo) 4 cks.; cream of tartar (Palermo) 72 cks.; dextrin (U.S.A.) 1,290 bgs.; essential oils (Sic.) 153 ½-cs. 10 cs.; horehound (Fr.) 5 bls.; liquorice-ju. (Sic.) 50 cs.; liquorice-powder 5 bgs.; olive oil (Fr.) 112 cs.; phosphorus 500 cs.; potashes (Mon.) 14; soda caustic (N.Y.) 500 dms.; soda chlorate (Mon.) 300 kgs.; soda prussiate 20 cks.; soda sulphate (Boston) 143 brls.; sulphur (Sic.) 7,135 bgs.; tartaric acid (Fr.) 25 cks., (It.) 102 brls. *To Runcorn.*—Whale oil 42,500 brls.





Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

#### Sulphur in Coal-gas.

SIR,—In the discussion on Professor Clowes's paper on "The Sulphur Impurity in Coal-gas," which you reported, there was much talk about sulphurous acid and sulphuretted hydrogen, but no direct reference to sulphuric acid. If coal-gas of ordinary quality be burned in a Bunsen over which a bell-glass is suspended, and the glass rinsed with distilled water, the water will be found to give a strong reaction for sulphuric acid. It is this sulphuric acid which does the mischief, and not the sulphurous acid. Sulphurous acid may be objectionable on hygienic grounds, and by condensing with moisture on surfaces in a room will be partly oxidised to sulphuric; but it is the sulphuric acid formed in the Bunsen flame which corrodes the water-baths and destroys the brass fittings of incandescent burners. One may also point out that there is no proper comparison between sulphur compounds given off by burning coal in a grate and sulphur compounds in gas burned in a confined space, such as a room. In the former case the gases produced from the burning coal mostly pass up the chimney, and the conditions favourable to oxidation of  $\text{SO}_2$  are infinitely less than in a Bunsen burner.

Yours, etc.,

D. B. DOTT.

Edinburgh, June 6.

#### Stock Mixtures.

SIR,—I was much interested in your remarks regarding the keeping-properties of the mixtures for which the Insurance Commissioners have issued a set of formulæ. I question very much if all of them can be kept in stock for a reasonable time without decomposing. I tried several of the formulæ as soon as I read your remarks, and on the fourth day made the following notes:

*Mist. Ammonia et Senega*.—This contains ext. senegæ rad. liq., U.S.P., which I have not been able to get. It does not occur in the B.D.H. price-list, which is used as the guide in pricing.

*Mist. Cascara Co*.—This contains extracts of cascara, nux vomica, and belladonna, syrup of ginger, and water. On the fourth day after I compounded it the mixture began to go bad.

*Mist. Diuretica*.—Succ. scoparii is the only fermentable thing in this mixture. Fermentation had fairly commenced on the fourth day.

*Mist. Sodæ c. Rho*. contains powdered rhubarb, ammonium carbonate, sodium bicarbonate, and peppermint-water. It began to effervesce four days after it was compounded, due, I suppose, to the rhubarb decomposing.

After compounding the mixtures I half-filled a 4-oz. bottle with each, corked each bottle, and opened twice a day. I propose to go on with my experiments, and it occurred to me that other Insurance dispensers might also try these and other mixtures, reporting to the *C. & D.* I think you were quite right in questioning if the mixtures are all "capable of being stocked in bulk without deterioration." A preservative, such as spirit, may be required, but panel chemists are not to be paid for that—merely on the mixture as the formula, which means a loss to them.

Yours truly,

PANEL CHEMIST. (240/45.)

#### Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

##### Mr. Deakin's Quotation.

"The point is perhaps not important, but I prefer the reading of this quotation as printed in the appeals issued by the Charing Cross Hospital, which is thus worded:

"I shall pass through this world but once. If, therefore, there be any kindness I can show, or any good thing I can do, let me do it now," etc.

The differences in the reading are obvious."—M. (239/17).

"The authorship of the quotation 'I expect to pass through this world but once' has been the subject of several inquiries and a long correspondence in 'Notes and Queries,' but the editor's final note was to the effect that its origin is unknown. It will be interesting if the information which you supply can be verified. It seems that Mr. Moody, the evangelist, got the saying from some unnamed member of the Massachusetts Legislature who 'used to carry it about in his pocket, showing it on every possible occasion in the House to those with whom he came in contact.' The late Professor Drummond used it as a kind of text to his book 'The Greatest Thing in the World,' but years before that book appeared printed cards headed 'Mr. Moody's Favourite Quotation,' with this saying beneath it, were issued, and used to be hung up in the houses of pious people."—X. (238/48).

##### Ethiops Mineral.

*Phœnix* (225/26), writing in reference to a reply in the *C. & D.*, May 20, p. 80, states that "Gresswell's 'Manual of Equine Medicine' makes frequent reference to the use of ethiops mineral, and in Gresswell's 'Equine Prescriber' it often occurs in the formulæ. Turpeth mineral is frequently used in the treatment of dogs suffering from 'yellows'; this is perhaps what your inquirer refers to as white sulphate of mercury."

##### A Noble but Simple Art.

"I wish to apply for a situation as dispenser. It is work I should love to undertake. I am not experienced, but would come for a week or two free to learn." So wrote a girl to a subscriber in the provinces (228/51). His comment on the subject was to send an advertisement for insertion in the *C. & D.* Supplement. Unfortunately, too many of those who think they are dispensers are of the type mentioned.

##### "The 'Progress of Pharmacy'"

as indicated by advertisements for assistants:

1914. Junior assistant wanted, male or female.—*Daily Newspaper*.

Wanted, junior assistant of either sex.—*Daily Newspaper*.

1915. Assistant wanted; unqualified; man or woman.—*Daily Newspaper*.

Several qualified assistants wanted, men or women.—*C. & D.*

1916. Messrs. Blank have vacancies for several qualified assistants, ladies or gentlemen.—*C. & D.*

1917. To my sorrow the merry round goes on.—*Ph.C.* (241/77).

##### Daylight Saving Act.

"Monday morning May 21, nine o'clock, order telephoned to us for a 4-oz. bottle of syrup of thyme (Oppenheimer's 'Thymotussin' promptly supplied). It would only have seemed 'too good to perish' had it been April 1."—*M. T. B.* (69/23).

"Poor Woman (handing in Insurance script): 'How long will it be, please?'  
Chemist: 'Oh, if you call in half an hour it will be ready.'

Poor Woman (perplexed): 'My old man has not altered our clock yet, so what time ought I to come for it?'"—*R. M.* (227/54).

#### Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1916, beginning on page 341.

*Assistant* (240/23).—Although the payment of weekly wages on Saturday is perhaps more common than payment on some other day in the week, the actual day must be a matter of agreement between employer and employé.

*Ajax* (240/16).—In making the income-tax return the rent of the shop is one of the items regarded as an expense. When a residence is attached to the shop a third of the rent is allowed for the residence-part. Profits on patent medicines, drug-sundries, etc., are not computed as a rule, but are determined from the figures of the trading-account. The computations which you give are fair.

*S. V. P.* (236/35).—Should you return to England you will come within the scope of the Military Service Acts and be liable to be called up to the Forces. As you are not a registered chemist engaged in dispensing Insurance Act prescriptions, and occupy no position here, you have no special industrial claim for exemption. As to the hernia, persons so afflicted are being passed by medical examiners for garrison duty, and that is what may happen to you; but it is not possible to be sure on that point, and it would be safer for you to act upon the medical advice of the British doctors who have examined you—i.e., stay where you are in the meantime.



## Miscellaneous Inquiries.

**Booco** (199/2).—BLEACHING-LIQUIDS.—See *C. & D.*, May 2, 1914, p. 64.

**W. S.** (218/33).—Chlorinated lime is generally successful in removing mildew from fabrics.

**E. B. (India)** (151/67).—There is no definite information available on the matter to which you refer.

**G. W. P.** (218/32).—We believe the "Egyptian clay" of which you send a sample is magnesite or an allied natural product.

**Casein** (201/5).—CASEIN TOILET-CREAMS.—We published six formulæ for these in the *C. & D.*, August 28, 1915, p. 60, and you will find many in "Pharmaceutical Formulæ."

**Anxious** (206/69).—You should immerse the sponges saturated with medicinal liquid paraffin in motor-spirit, and afterwards press them well and wash in hot soap and water.

**P. S. F.** (212/69).—Any safe bitter may replace aloes for rubbing the fingers of children to prevent them biting their nails. Inf. quassia conc. would serve, but little of it should be used.

**C. W. L.** (18/16).—THE INDIAN RELISH is on the same lines as the "Chinese pickle," the recipe for which was given in the *C. & D.*, November 4, 1911, p. 59. The chemist who sent the formula spoke very highly of it, and we have since had this opinion confirmed in various quarters.

**Thong** (263/3).—MANGE-WASH POWDER.—This is a mixture of cresol, sulphur, and a vegetable powder—possibly powdered white hellebore. As it will be difficult to produce a homogeneous mixture, it would probably be found that cresol alone would answer the purpose equally well.

**E. B.** (216/5).—TO BLEACH THE PERFUME which has become coloured, try the effect of shaking with or filtering through a little fresh animal charcoal. It is possible that the perfume may be altered by this treatment, so you had better try an experiment with a small quantity first.

**W. I.** (195/62).—SAMPLE OF OINTMENT.—You could produce a similar ointment by carbolicising a basis of lead plaster and soft paraffin—about equal parts. We think your explanation of the different effects of a fresh and an old ointment the correct one, as the carbolic acid is not soluble in the basis and tends to exude on keeping.

**Tenax** (232/22).—HEADACHE COLOGNE, P.F. vol. ii., is as follows:

Menthol. ....	3ss.
Spt. chloroform. ....	3ss.
Aq. coloniensis ....	Oj.—M.

This is liable to medicine stamp-duty unless its source is declared.

**W. & H. J.** (225/41).—(1) RED COLOURING-MATTERS.—In addition to alkanet the most commonly employed red colouring-matters used in pharmacy are madder, Brazil wood, logwood, and cochineal. (2) RED INK without aniline dye.—The following are representative formulæ:

I.		II.	
Cochineal ... ..	3ss.	Carmine ... ..	3ss.
Gum acacia ... ..	3ss.	Solution of ammo-	
Cream of tartar ...	3j.	nium acetate ...	3j.
Distilled water ...	3viij.	Water ... ..	3j.
Boil, filter, make up to		Dissolve, filter, and add—	
8 oz., and add—		Acacia mucilage or	
Alum ... ..	3ij.	syrup ... ..	3ij.
Spirit of cloves ...	3j.		
Mix.			

**W. C. B.** (220/34).—LIQ. AMMON. ACET. CONC. (1 IN 7).—The following is the formula for which you ask:

Acid. acetic. glacial. (50°)	4 lb.
Liq. ammon. fort. (880°)	3 lb. 11 oz.
Pulv. ammon. carb.	1 oz.
Aque q.s. ad	1 gal.

This is prepared on the lines of the official liquor, Proctor's lead-acetate test being employed to indicate the end-reaction.

**Catechu** (220/33).—BI-SMUTHATED MAGNESIA:

Bismuth. carb.	3ss.
Sodii bicarb.	3ij.
Mag. carb. pond. ad	5ij.—M.

Adult dose: Half a teaspoonful three or four times a day.

**W. R. W.** (226/55).—(1) QUASSIA-WASH is employed for black fly on cherry-trees and for all species of aphides. It is made as follows:

Quassia chips ... ..	6 to 8 lb.
Soft soap ... ..	½ to 1 lb.
Water ... ..	100 gals.

Boil the quassia-chips with successive small quantities of water, strain, add the soap, and make up to measure.

(2) DISINFECTING MANURE-HEAPS.—The chemicals used for this purpose are as follows: Chlorinated lime, sulphate of iron (either powdered or in 20-per-cent. solution), miscible mineral oil of 3 to 5 per cent. strength, borax or colemanite (crude calcium borate), slaked lime, potassium permanganate, and sodium arsenite.

**L. G.** (216/3).—BRITTLE FINGER-NAILS.—Particulars of the treatment for brittle finger-nails (paronychia) were given in the *C. & D.*, July 23, 1910, as follows: Make borie ointment into a stiff paste with calomel, and apply to the base of the nails, rubbing it well in. If the patient is in poor health the following pill should be taken twice daily:

Pil. Blaud. ... ..	gr. v.
Sodii arseniat. ... ..	gr. ½
Ext. nuc. vom. ... ..	gr. 4

In the *C. & D.*, February 4, 1911 p. 65, formulæ were given for two applications intended to harden brittle finger-nails.

**A. S. P.** (227/24).—"CAKING" IN CATTLE is, we presume, what you mean, the term being sometimes used as a description of constipation, and it may be so described in South Wales where cattle are affected by it. You will find a full description of the trouble in "Veterinary Counter-Practice," p. 184.

**G. S.** (192/70).—(1) ECZEMA-OINTMENT.—Your sample can be imitated very closely by mixing 2 parts of ung. picis liq. with 3 parts of ung. resinæ. (2) POWDER FOR THE TREATMENT OF RED-WATER.—The chief ingredients of this are potassium nitrate, black antimony, and liquorice-powder. (3) We cannot undertake the analysis of the piece of ironstone you send.

**Mag. Sulph.** (215/47).—RESTLESS COW.—This is a case where the animal's sexual desire has not been appeased. The cow should be sent to the bull again. After the animal has calmed down the milk will be secreted normally. Pot. brom. and tinct. camph. co. can be given, or sod. brom. and ext. conii. Occasionally hysterical animals are soothed and satisfied by injecting tepid water into the vagina.

**H. & K.** (223/63).—BOOKS ON COLLOIDAL CHEMISTRY.—Zsigmondy's "Colloids and the Ultramicroscope: A Manual of Colloid Chemistry and Ultramicroscopy" (Chapman & Hall, 12s. 6d.); Hogsdon's "Introduction to the Chemistry of Colloids" (Griffin & Co., 3s. 6d.); Hatschek's "Introduction to the Physics and Chemistry of Colloids" (Churchill, 2s. 6d.); Taylor's "Chemistry of Colloids and Some Technical Applications" (Arnold, 7s. 6d.).

## Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1866.

### Standard Weights and Measures.

A Bill has been brought before Parliament by the Government, proposing to transfer imperial and secondary standards of length and weight, and all balances, apparatus, books, and documents in connection therewith, from the custody of the Exchequer to that of the Board of Trade, which is in future to perform all the duties relating to standards of weight and measure hitherto fulfilled by the Exchequer. Once in every ten years the three Parliamentary copies of the imperial standards of length and weight deposited at the Mint, the Royal Society, and the Royal Observatory are to be compared with the imperial standards and with each other. The secondary standards which are in use at the Exchequer, and are known as Exchequer standards, are in future to be called Board of Trade standards, and they are to be compared with the imperial standards once in every five years. The Bill further proposes to create a special department of the Board of Trade, to be called the "Standard Weights and Measures Department," which is to be under the control of the "Warden of the Standards," who is to report annually to Parliament. The custody of the standard trial pieces of gold, silver, and copper used for determining the justness of the coinage is to be transferred from the Exchequer to the Treasury Commissioners, who will in future perform all the functions of the Exchequer relative to the subject.



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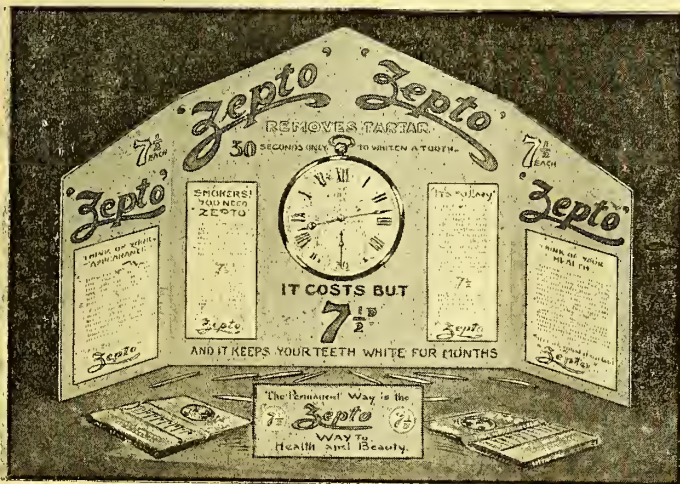
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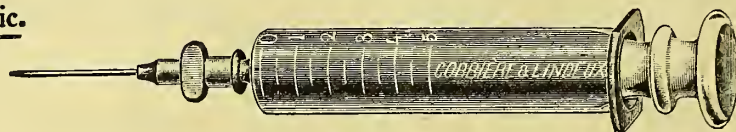


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Pregnancy, Lactation, Pains, etc. etc.  
Price 5/- and 11/- per bottle.**SINUBÉRASE**Remedy for Intestinal Disorders, Dysentery,  
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Tolu	<b>Cochineal</b>	<b>Insect Flowers</b>	Galangal	<b>Seeds</b> —Aniseed
Peru	<b>Colocynth</b>	Powder	Gentian	Annatto
<b>Barks</b> —Cascara	<b>Cubebs</b>	<b>Nux Vomica</b>	Ipecacuanha	Canary
Quillaia, &c.	<b>Cuttlefish</b>	<b>Oils</b> —Camphor	Jalap	Cardamom
<b>Cantharides</b>	<b>Ergot of Rye</b>	Citronella	Licorice	Coriander
<b>Chemicals</b> —Benzaldehyde	<b>Guaza</b>	Eucalyptus	Orris	Cumin
Cresylic Acid	<b>Gums</b> —Acacia, Myrrh,	Lemon	Rhubarb	Fennel
Cocaine	Tragacanth, &c.	Peppermint	Sarsaparilla	Stavesacre, &c.
Oxalic Acid	<b>Leaves</b> —Buchu	Pine, &c.	Scammony	<b>Saffron</b> —All grades.

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Ginger, English Ground, 1 cwt. @ 60/- cwt.; 7 lbs. @ 8d. lb.  
Gingerine, Extra, 5 lbs. @ 13/- lb.; 1 lb. @ 13/6.

Glycerin, Opt. D.D., 1.260 P.B., 56 lbs. @ cwt.; 12 lbs. @ 1 lb.  
\*Glycerin. Acid. Boric, P.B., 6 lbs. @ 2/1 lb.  
\* " Acid. Carbolic, P.B., 6 lbs. @ 1/10 lb.  
\* " Acid. Tannic, P.B., 6 lbs. @ 2/5 lb.  
\* " Belladon. B.P.C., 6 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.

\*Glycerin. Boracic, P.B., 6 lbs. @ 1/6 lb.  
\* " Pepsin, Acid, P.B., 1 lb. @ 3/3 lb.  
\* " Plumbi Subacet., P.B., 6 lbs. @ 1/11 lb.

Guaiaac Carb., 1 lb. @ 85/- lb.  
Guaiaac, pure, 1 lb. @ 55/- lb.  
Gum Acacia sorts, 3 cwt. @ 77/6 cwt.; 1 cwt. @ 81/- cwt.; 7 lbs. @ 10d. lb.; English Ground Powder, No. 1, 1 cwt. @ 140/- cwt.; 7 lbs. @ 1/6 lb.; No. 2, 1 cwt. @ cwt.; 7 lbs. @ 1/2 lb.

Gum Benzoin, Sumatra, 84 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.  
Gum Catechu Nig., English Ground, 1 cwt. @ 105/- cwt.; 14 lbs. @ 1/- lb.  
Gum Guaiac, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.

Gum Juniper, 14 lbs. @ 1/- lb.  
Gum Thus Elect., 2½ cwt. @ 48/- cwt.; 28 lbs. @ 52/- cwt.

Gum Tragac. Elect., English Ground, 7 lbs. @ 12/- lb.; 1 lb. @ 12/6 lb.

\*Hædang (Frothing Ess.), 5 lbs. @ 1/3 lb.  
Heliotropine, 1 lb. @ 22/- lb.  
Hellebore, White, Powder (Foreign Ground), 1 cwt. @ 52/6 cwt.  
Hexamethylenetetramine, 7 lbs. @ 5/6 lb.; 1 lb. @ 5/10 lb.

Honey, Pale Set, Jamaica, 28 lbs. @ 68/- cwt.; Californian, ½ cwt. @ cwt.; 7 lbs. @ 1 lb.

Hydrargyrum, P.B., 10 lbs. @ 5/6 lb.; 1 lb. @ 5/10 lb.; Ammon., 28 lbs. @ 1 lb.; c. Creta, 28 lbs. @ 2/6 lb.; Iodid. Rub. 28 lbs. @ 16/2 lb.; Oxid. Rub., 28 lbs. @ 8/- lb.; Perchlor., Lump, 28 lbs. @ 7/7 lb.; Subchlor. 28 lbs. @ 7/4 lb.; Sulph. c. Sulph., 28 lbs. @ 7/- lb.; 7-lb. quantities 1d. lb. extra.  
3-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.  
Hydrokinone, 1 lb. @ 42/6 lb.

Ichthyl Ammon. chemical equivalent; Ammon. Ichthosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.

\*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/8 lb.  
\* " Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/7 lb.  
\* " Buchu Conc., 1 to 7, 6 lbs. @ 2/8 lb.  
\* " Calumbæ Conc., 1 to 7, 6 lbs. @ 1/1 lb.  
\* " Caryoph. Conc., 1 to 7, 6 lbs. @ 1/3 lb.  
\* " Cascarella Co. c., 1 to 7, 6 lbs. @ 1/6 lb.  
\* " Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/10 lb.  
\* " Gentianæ Co., 1 to 7, 6 lbs. @ 1/3 lb.  
\* " Quassia Conc., 1 to 7, 6 lbs. @ 1/1d. lb.  
\* " Rhei Conc., 1 to 7, 6 lbs. @ 1/9 lb.  
\* " Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 2/10 lb.  
\* " Senegæ Conc., 1 to 7, 6 lbs. @ 2/7 lb.  
\* " Valerian Conc., 1 to 7, 6 lbs. @ 1/7 lb.

Insect Powder, Opt., English Grd., closed flow rs. 7 lbs. @ 3/- lb.; English Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 28 lbs. @ 1/6 lb.  
Iodoform Pulv. B.P., 7 lbs. @ 20/6 lb.; 1 lb. @ 21/- lb.  
Iodum, resub. B.P., 7 lbs. @ 18/9 lb.; 1 lb. @ 19/3 lb.  
Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

**K**amala, 7 lbs. @ 1/8 lb.; sifted, 2/- per lb.

**L**apis Pumicis, fine powder, 2 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.; lump, 2 cwt. @ 18/- cwt.; 7 lbs. @ 3d. lb.

Licorice Juice, 2-oz. Sticks, 1 cwt. @ 145/- cwt.; 28 lbs. @ 1/4 lb.; 7 lbs. @ 1/5 lb.  
\*Lin. Aconitii Meth., 5 lbs. @ 1/9 lb.; 1 lb. @ 2/- lb.

\* " Bellad. Meth., 5 lbs. @ 8/3 lb.; 1 lb. @ 8/6 lb.  
\* " Camph. P.B., 40 lbs. @ 1/0½ lb.; 9 lbs. @ 1/1½ lb.

\* " Sapo Meth., 9 lbs. @ 1/- lb.  
\* " Tereb. Acet., B.P., 5 lbs. @ 1/1 lb.  
Linseed c. Oil, Crushed, 3 cwt. @ 28/- cwt.; 1 cwt. @ 28/6 cwt.

\*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb.

\* " Ammon. Aromat., 6 lbs. @ 10d. lb.  
\* " Antim. Chlor. Pure, 8 lbs. @ 10d. lb.  
\* " Arsenicalis, B.P., 7 lbs. @ 5d. lb.; 1 lb. @ 8d. lb.

\* " Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.

\* " Bismuth, P.B., 6 lbs. @ 1/7 lb.  
\* " Copaiba Buchu et Cubeb, 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.

\* " Easton, p.s. 1-3, B.P., 1 lb. @ 3/5 lb.  
\* " Ferri Dialysatus, 6 lbs. @ 1/2 lb.

\* " Ferri Iod. p.s., 1-7, 1 lb. @ 8/- lb.  
\* " Ferri Perchlor. Fort., P.B., 7 lbs. @ 6d. lb.  
\* " Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/7 lb.

\* " Hamamelidis, B.P., 6 lbs. @ 1/3 lb.  
\* " Hypophosph. Co. p.s., B.P.C., 1 lb. @ 3/10 lb.

\* " Iodi Fort. B.P., 5 lbs. @ 7/- lb.  
\* " Morphina Acet. or Hydrochlor., P.B., 6 lbs. @ 4/2 lb.

\* " Opii Sed., 5 lbs. @ 6/3 lb.  
\* " Plumbi Subacet., P.B., 7 lbs. @ 7d. lb.

\* " Pruni Virg. p.s. 1-7, 5 lbs. @ 2/9 lb.  
\* " Rheoados pro Syr., 1 to 7, 5 lbs. @ 2/8 lb.

\* " Rhei, p.s., 1-7, 6 lbs. @ 2/4 lb.  
\* " Santali Co., 1 lb. @ 4/6 lb.

\* " Sennæ Dulc. 6 lbs. @ 1/8 lb.  
\* " Sennæ pro Syr. 1-7, 6 lbs. @ 3/4 lb.

\* " Strychnina Hyd. P.B., 6 lbs. @ 1/11 lb.  
\* " Toluid. pro Syr. 1-7, 6 lbs. @ 1/9 lb.

\* " Trinitrini, B.P., 1 lb. @ 7/- lb.  
Lithia Carb. P.B., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; 1 lb. @ 6/6 lb.

\* " Citras, B.P., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; pulv., 3d. lb. extra.  
Lycopodium, 7 lbs. @ 8/9 lb.

**M**ag. Calc. Levis, 1 lb. @ 2/- lb.  
Mag. Calc. Pond., 7 lbs. @ 2/1 lb.; 1 lb. @ 2/3 lb.

Mag. Carb. Pond., 7 lbs. @ 11d. lb.  
Mag. Carb. Levis, 1 cwt. @ 60/-; 7 lbs. @ 7½ d. lb.

Mag. Cit. Gran., 28 lbs. @ 1/10 lb.; 6 lbs. @ 2/- lb.  
Mag. Sulph., fine druggists', B.P., 1 cwt. @ 19/6; 28 lbs. @ 2½ d. lb.

Manna, Flake, 14 lbs. @ 6/3 lb.; 7 lbs. @ 6/6 lb.; 1 lb. @ 9/9 lb.

Menthol, dry white cryst., 60 lbs. @ 12/7 lb.; 5 lbs. @ 13/2 lb.

\*Mist. Sennæ Comp., B.P., 20 lbs. @ 8d. lb.; 6 lbs. @ 9d. lb.

Morphina Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 14/- oz.; 16 oz. @ 14/3 oz.; 8 oz. @ 14/6 oz.; 1 oz. @ 15/3 oz.; Pur.

Præcip. Bimeconate or Tart., 1 oz. @ 19/- oz.  
Morphina Diacetyl., 4 oz. @ 22/- oz.; 1 oz. @ 22/6 oz.; Hydrochlor., 6d. per oz. less.

Myrrh, Gum, English Ground, 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.

**N**aphthalene, Flake, 7 lbs. @ 7½ d. lb.  
Nux Areca, 1 cwt. @ 55/- cwt.; 7 lbs. @ 7d. lb.; powder, English ground, @ 80/- cwt.; 7 lbs. @ 9½ d. lb.

**O**l. Amygdal. Ang., B.P., 9 lbs. @ 3/1 lb.  
Ol. Anethi Ang. B.P., 1 lb. @ 17/6 lb.

Ol. Anisi, E.I., 66 lbs. @ 3/8 lb.; 16½ lbs. @ 4/- lb.; 4½ lbs. @ 4/5 lb.; 1 lb. @ 4/8 lb.

Ol. Aurant., 12 lbs. @ 9/6 lb.; 1 lb. @ 10/3 lb.; not guaranteed absolutely pure.

Oil of Bays, genuine W.I., 1 lb. @ 14/6 lb.  
Ol. Cajuput., B.P., 21½ oz. bots. @ 4/9 lb.

Ol. Camphor. Essent., White, 40 lbs. @ 1/1 lb.; Brown, 40 lbs. @ 120/- cwt.

Ol. Caryoph. Ang., B.P., 9 lbs. @ 6/- lb.; 4½ lbs. @ 6/3 lb.

Ol. Cassia, 16 lbs. @ 4/6 lb.; 6 lbs. @ 4/9 lb.  
Ol. Cinnamon, 1 lb. @ 32/- lb.; 1 oz. @ 2/3 oz.

Ol. Citronellæ, 9 lbs. @ 2/3 lb.  
Ol. Coco Nucis, finest White, 80 lbs. @ 66/- cwt.; 40 lbs. @ 68/- cwt.

Ol. Eucalypt., P.B., 1 cwt. @ 2/8 lb.; 28 lbs. @ 2/9 lb.; 9 lbs. @ 2/10½ lb.

Ol. Geranii Gall. Opt., 1 lb. @ 28/- lb.; 8 1-oz. bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.

Ol. Gynocardia, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.  
Ol. Juniperi Ligne Exot., 9 lbs. @ 4/6 lb.

Ol. Lavand. ah Flor., 5 lbs. @ 13/6 lb.; 1 lb. @ 14/6 lb.

Ol. Menth. Pip. English, 5 lbs. @ 36/6 lb.; 1 lb. @ 37/6 lb.; Hotchkiss original bots., 21 oz. each @ 15/9 lb.; 6 bots. @ 15/6 lb.; 18 bots. @ 15/- lb.; American, 20 lbs. @ 9/6 lb.; 4½ lbs. @ 10/- lb.; 1 lb. @ 11/3 lb.

Japanese, 60 lbs. @ 4/7 lb.; 5 lbs. @ 4/9 lb.  
Ol. Morrhuæ, 1915, finest non-freezing, 2-gall. tins @ 23/6 per gall.

Ol. Myrbane, 9 lbs. @ 3/2 lb.  
Ol. Myristica, 7 lbs. @ 5/- lb.; 1 lb. @ 5/6 lb.

Ol. Nucis Pallid., 2 gall. tins @ 6/11 gall.  
Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/2 gall.; 2 gall. tins @ 6/6 gall.

Ol. Origanii Rub., Coml., 28 lbs. @ 2/- lb.; 9 lbs. @ 2/3 lb.

Ol. Peach Kernel (so-called), 1 cwt. @ 1/6½ lb.; 56 lbs. @ 1/7½ lb.; 9 lbs. @ 1/9½ lb.

Ol. Pulegii P.B., 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10.

Ol. Ricini Alb. Opt. Medicinal, 44 lbs. @ 89/6 cwt.; 9 lbs. @ 11d. lb.; for export, 1 cwt. drums recommended.

Ol. Rosmarini, Coml., 28 lbs. @ 1/9 lb.; 9 lbs. @ 2/- lb.; B.P., 9 lbs. @ 2/7 lb.; 1 lb. @ 2/11 lb.

Ol. Santal. Flav. Ang. B.P., 5 lbs. @ 36/- lb. 1 lb. @ 36/6 lb.

Ol. Sassafras, genuine, 28 lbs. @ 3/10 lb.; 1 lb. @ 4/5 lb.

Ol. Theobromæ, B.P., 8-oz. tabs., 28 lbs. @ 2/11 lb.; 7 lbs. @ 3/- lb.

Ol. Wintergreen, Artificial, 5 lbs. @ 15/6 lb.; 1 lb. @ 16/- lb.

Opium Turc. B.P., 14 lbs. @ 36/6 lb.; 3 lbs. @ 37/6 lb.; 1 lb. @ 38/6 lb.; powder, 6d. lb. extra.

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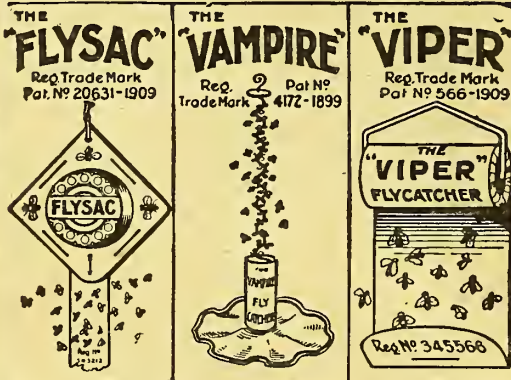


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SATURDAY, JUNE 10, 1916.

## TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

### PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 2617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Free words counted as two.)

## BEST RESULTS EVERY WEEK!

← This is what advertisers in  
The Chemist and Druggist  
Supplement secure. Not in-  
definite returns from spasmodic and inflated  
circulation, but regular, steady success—the  
best possible in the Drug Trade. It gives

## THE PUBLICITY IT PAYS TO PAY FOR.

## CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—SLOANE STREET (Within Easy Distance of).—Very old-established Business, Retail and Dispensing; returns average over £2,000 per annum, with gross profit 50 per cent.; proof given; terms, goodwill £250, stock and fixtures at valuation; excellent opening for two energetic men with small capital at command.

2.—KENSINGTON (Death Vacancy).—Good-class Business, Dispensing and Retail; returns £1,000 yearly; gross profit £500. Present rate less; well-appointed shop and good residence; widow will accept first reasonable offer.

3.—LONDON, N. (Distant Suburb).—Ready-money Business; excellent situation in main shopping thoroughfare; returns under manager about £1,500; scope for extension; vendor will accept about the value of stock and fixtures; part payment can be arranged.

4.—HIGHGATE (Near).—For immediate Disposal, a good but neglected Business, returning under Assistant £1,270, at fair prices; books audited by accountant and stock taken annually; terms, small goodwill and valuation of stock and fixtures.

5.—LONDON, S.E. (Death Vacancy).—Sacrifice for immediate transfer; good middle-class Business; position unique; returns £1,000, with scope for large extension; price £350.

6.—MIDDLESEX.—Good middle-class Business, Dispensing and Retail; held by vendor many years; returns £2,500; terms, one year's net profit and valuation of stock and fixtures.

7.—CHELSEA (Main Thoroughfare).—Established Business, chiefly ready money; returns about £1,300; net profit £400; attractive shop, fully stocked; no serious opposition; full investigation invited.

8.—SHROPSHIRE (Small Market Town).—Well-established Business, held by vendor upwards of 22 years, now retiring; returns £1,200; rent £35, which includes comfortable residence; terms, simply the value of stock and fixtures; part payment if desired.

9.—SOUTH COAST (High-class Watering-place).—Retail and Dispensing Business; returns between £1,400 and £1,500, present rate less; excellent position; the concern is well suited for a gentleman requiring business in a mild and genial climate; death cause of sale; terms reasonable.

10.—MIDLANDS.—Dispensing and Retail; all good middle-class trading; returns upwards of £3,000 yearly; vendor would entertain a partnership with a view to the income taking up the whole within a given period.

11.—HOME COUNTY (Death Vacancy).—Old-established Business, situate in good-class business town; returns £2,000; well-fitted shop, in good position in the Market Place; comfortable house, all in good repair, garden and fruit trees; about £700 required, estimated value of stock and fixtures.

12.—BRISTOL CHANNEL (Health Resort).—Neglected Business; returns about £500; excellent opening for a pushing man; terms, valuation of stock and fixtures.

13.—HANTS (Good-class Health Resort).—For Disposal, owing to a breakdown in health, excellent Business, Dispensing and Retail, for the value of stock and fixtures; returns £2,500; handsome shop and well-selected stock; position one of the best in the town.

14.—SOUTHAMPTON (Near).—Old-established Business; returns £800 under management; net profit £300; large, double-fronted shop and comfortable residence; price £450.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.**



# BRETT & CO.

*Licensed Valuers,*

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS  
NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of Buyers on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

**STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.**

£1,000 returns.—WEST OF ENGLAND.—First-class Dispensing and Light Retail; net profit large; vendor, leaving the trade, will live near and give good introduction; price £800, or valuation of stock and fixtures.

£400 returns.—DERBY.—Working-class district; qualified man could double returns; price £150.

LONDON (Western Suburb).—Very profitable Light Retail and Dispensing; now returning £12 per week; scope for Photo; delightful district; valuation about £350.

£1,100 returns.—MIDLANDS.—Good Light Family Retail, in main position of nice market town; price about £725.

LANCASHIRE.—Exceptionally profitable Little Business, with very little opposition; many years in vendor's hands, who is retiring, and would give long introduction; price £220.

**Valuations conducted upon the shortest notice  
at moderate fees.**

# BERDOE & FISH

**VALUERS & TRANSFER AGENTS,**

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

**NO CHARGE TO PURCHASERS.**

1.—SOUTH-WEST COAST.—Good-class Retail and Dispensing, increasing; returns £1,250; net profit over £300; good house and Pharmacy, in best position; stock and fixtures worth about £850; price £975; books properly kept.

2.—MIDLANDS (Death Vacancy).—Light Family Retail and Agricultural, in pleasant market town; easy hours; returns £900; net profit £300; good opening for Photo and Optics; one other Chemist; price £425, or first reasonable offer.

3.—HOME COUNTY (33 Miles Out).—First-class Dispensing and Retail Business in most desirable town; returns £1,200; excellent profits; plenty of scope; good house, etc.; price £700, or £100 and valuation; personally recommended.

4.—YORKS (West Riding).—Middle-class Business in large Manufacturing town; returns over £1,000; net profit £350; very low rent; good premises, pleasantly situated; price £650, little more than valuation.

5.—SHROPSHIRE (Market Town).—Old-established Mixed Country Retail; neglected through ill-health; returns £500; plenty of scope; very profitable; large house and garden; handsome shop, well stocked; price simply valuation, about £400.

6.—LONDON (Near City).—Quick Cash Retail Business, in busy marketing centre; returns about £2,000; excellent profits; smart, up-to-date Pharmacy, fully stocked; price £950; part can remain.

7.—LONDON, W.—Old-established Light Family Retail, in prominent position; returning last year £1,400; net profit over £300; now under management; excellent premises, can easily let off half rent; price £400, bare valuation.

## STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 135 of the *C. & D. Diary* for this year. Have you read it?

# PARSON C. BAKER

**Pharmaceutical Chemist,**

**TRADE VALUER AND TRANSFER AGENT.**

Recommended by British Drug Houses, Ltd.; Messrs. & Co.; Barclay & Son.  
Tel. No.: FINCHLEY 812.

**VALUATIONS, ESTIMATIONS, EXAMINATIONS, AND  
FULL REPORTS, Town or Country, on moderate terms.**

No charge whatever to vendors of purchasers except by agreement.

Personal Attention  
to every detail.

40 years' Valuation  
experience.

*CORRESPONDENCE INVITED.*

**1 MOUNTFIELD RD., CHURCH END, FINCHLEY, N.**

# THOS. TOMLINSON & SON

**CHEMISTS' VALUERS, TRANSFER AGENTS,  
AND EXPERT STOCKTAKERS,**

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

## BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every  
10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**GLOUCESTER.**—For immediate Disposal, owing to illness and advanced age, old-established Business; returns over £1,300; well-fitted corner shop; good house and garden; stock and fixtures over £1,000; price £700. Full particulars, 75/35, Office of this Paper.

**SOUTH COAST.**—Genuine Cash Retail; owner compelled to join Army; returns £15 to £17 weekly; weekly customers number between 500 and 600; accept £250; great bargain; can be inspected. 76/15, Office of this Paper.

**SOUTH-WEST COAST Seaport.**—Light Retail, Prescribing, and Shipping Business; very profitable; if not sold by the end of this month will be closed; owner joining up; any reasonable offer accepted. Apply, 73/17, Office of this Paper.

**YORKSHIRE.**—Small Business in working-class district in large town; doing £600 a year; could be increased; well fitted; electric light; good reasons for disposal; rent, house and shop, £325 or valuation stock and fittings. 77/14, Office of this Paper.

**A SPLENDID Prescribing Business for Sale** in a large town in Lancashire; genuine bargain to cash buyer; no agents need apply; family reasons sole cause of sale; takings increasing; net profit over £6 weekly; price £375 cash. Apply, 76/36, Office of this Paper.



**AN Exceptional Offer.**—Owner, giving up business, wishes to Dispose of thoroughly genuine unopposed Light Retail, Dispensing, and Prescribing Business; established over 100 years; present hands 10 years; 20 miles from Coast; large and well-stocked shop, on lease; particularly good house, with garden; returns £800, with scope for increase; profits above average; nearest opposition 7 miles. For full particulars apply, "Hants" (78/10), Office of this Paper.

**DEATH Vacancy.**—For immediate Disposal, genuine old-established good-class Chemist's Business in country town in the Midlands; in the hands of late proprietor 28 years; low rent; good living accommodation; no reasonable offer refused. Full particulars on application to "A. T. H." (76/14), Office of this Paper.

**FOR Sale**, as a going concern, excellently fitted and well-stocked Chemist's Business in Lancaster; lease can be arranged. Full particulars from Parkin S. Booth (Accountant to the Association of Manufacturing Chemists, Ltd.), 2 Bixteth Street, Liverpool.

**FOR Disposal**, old-established Business, in good Agricultural district; returns average £550, has done over £1,000; plenty of scope for increase; Dentist attends weekly and pays half rent; good house and garden, warehouses, etc.; splendidly fitted shop and well stocked; price £400, or near offer; bargain. Apply, "Y. Z." (78/15), Office of this Paper.

**PROPRIETARY** rights of small Patent Medicine Co. for Disposal; easily run in conjunction with business of similar nature; considerable stock. 76/40, Office of this Paper.

**SMALL**, good-class, old-established Dispensing and Family Business, London, N.W. district, to be Disposed of for £150; prospective purchasers must call and view, etc.; no particulars sent by post; address supplied to inquiries which are considered bona fide. 74/39, Office of this Paper.

**SPLENDID** opportunity; neglected Country Retail, capable of large immediate increase; opening for Dentistry; handsome shop, nicely fitted and stocked; house and garden; price for immediate disposal, fixtures and fittings, £75, stock optional; about £50. "Cambs" (77/11), Office of this Paper.

## FOR SALE.

**BEST Offers.**—2 lb. Acid. Salicylic. (Haufl.) Pulv.; 2 lb. Black Mercury; 3 lb. Phenacetin. Pulv. (Bayer); 4 lb. Phenazon. Pulv.; 1 oz. Morphia Acetate; 2 lb. Bismarck Brown; 4 lb. Soda Salicylate; 3 gross Assorted Plain Mag. Cit. Bottles, 8-oz. and 12-oz.; 6 gross Spare Plain Cork Feeders; 8 50-gall. Steel Casks, nearly new; 4 oz. Quinin. Sulph.; 2 oz. Powdered Resorcin; 4 oz. Pulv. Rad. Ipecac. 72/7, Office of this Paper.

**CHEMISTS' Fittings**, including Counters, Show Cases, Drug Drawers, Bottles, Ointment Jars, Scales, Pill Machine, Mortars, Measures, and all accessories: £25 or offer. Apply, Fewster, 145 Main Street, Wilsden, Bradford.

**COMPLETE** set of shop fittings: Mahogany Counter Case, Wall Cases and Shelving, Dispensing Screen, Window Fittings, Glass Shelves on upright stands for windows, 2 Swan-neck Carboys, Showcases, Pill Machine, Suppository Mould, Qualtrough, Chemist, Douglas, Isle of Man.

**1** 10-lb. copper of guaranteed Pure Essence of Lemon, 37s.; 1 25-lb. copper of guaranteed Pure Essence of Lemon, 87s. 6d. 77/15, Office of this Paper.

## TO LET.

**TO Let**, Shop, 302 Gannow Lane, Burnley, situate in a prosperous and growing district and with a very old-established business of a Chemist and Druggist attached thereto; rent very reasonable. Further particulars apply, W. R. Calvert, 121 Nairne Street, or Wm. Crabtree, 220 Padiham Road, Burnley.

## AGENCIES.

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**HENRY S. JACKSON**, late partner in Henry Jackson & Sons, Wholesale Druggists' Sundriesmen, Liverpool, is open to Represent a good firm or would take up a few Agencies of business friends to keep them in touch with the customers; the above firm closing on account of the ill-health of Mr. J. C. Jackson, surviving partner. Dewey Avenue, Elton Park, Aintree.

## BUSINESSES WANTED.

**BY** qualified Pharmacist, Mixed Country Retail and Agricultural Business, with good connection and scope, where reasonable succession terms can be arranged; £100 deposit and balance by arrangement; must be good prospect; South, near Coast preferred. 77/110, Office of this Paper.

**CHEMIST** wishes to purchase small Business, with house attached; send fullest particulars, net profit, etc., in first letter; cash ready. 77/20, Office of this Paper.

**GOOD-CLASS** Business wanted in Manchester or district; must be genuine and bear the strictest investigation; please give full particulars of turnover and net profit and state amount required. Address, in strict confidence, to 75/27, Office of this Paper.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.


The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

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### RESULTS

OF ADVERTISING IN THIS SUPPLEMENT  
LAST WEEK JUNE 3 1916  
NATURE OF ADVT.      REPLIES

REPRESENTATIVE	23
LADY DISPENSER	16
TRAVELLER	16
ASSIST! (WHOLESALE)	15
LADY ASSIST! 12	



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

## RETAIL.

**BRIGHTON.**—Assistant wanted, lady or gentleman; good Dispensing experience essential. Jeeves & Son, Chemists, Brighton.

**BRIGHTON.**—Immediately, competent, trustworthy, gentlemanly Assistant for permanency; knowledge Kodak selling; comfortable berth good man; age preferred under 44. Sidney Lane, 100 Western Road, Hove.

**BRISTOL.**—Qualified for Light Cash Retail and N.H.I. Dispensing in good working-class district. Please state age, salary, with photo, to Haywards, Chemists, Redfield, Bristol.

**CARLISLE.**—Outdoor, capable Assistant for good-class Dispensing and Retail; short hours; ineligible. Apply, with usual particulars, outdoor salary, enclosing photo, John Hunter, 17 and 19 Bank Street, Carlisle.

**CHELLENHAM.**—Wanted immediately, competent Assistant, qualified preferred (ineligible), for high-class Dispensing and Photographic business (indoors). Please send photograph and usual particulars, to Beetham & Clark, Cheltenham.



**CLIFTON, BRISTOL.**—Wanted, an Assistant (either sex), for good-class Dispensing business. State salary required and usual particulars to A. G. Kenderdine, Oakfield Road Pharmacy, Clifton.

**CUMBERLAND.**—Wanted, unqualified Assistant; not eligible for Army; good-class experience. Wilson & Kitchin, The County Chemists, Whitehaven.

**GRIMSBY.**—Qualified Branch Manager required, ineligible; good salary and short hours; no Sunday duty. Apply, giving age, experience, references, and salary required (outdoors), with photo (returned), to the Exors. W. Barker, Chemists, Grimsby.

**HOSPITAL FOR CONSUMPTION, Brompton, S.W.**—Junior Assistant Dispenser (male) wanted at once for duration of war; Minor qualifications essential; must be ineligible for military service. Applications, stating age, experience, hospital or otherwise, and salary required, accompanied by two recent testimonials, to be addressed to the Secretary.

**INGHAM Infirmary and South Shields and Westoe Dispensary.** Wanted, a fully qualified Dispensing Chemist (lady), with Hospital experience preferred; commencing salary £100 per annum with lunch and tea. Apply, with full particulars and copies of recent testimonials, to the Secretary, Ingham Infirmary, South Shields.

**LANCASHIRE.**—Assistant for a good-class business; good prospects for right man; good Dispenser and Salesman; salary £5. State fully experience, age, and qualifications, 242/26, Office of this Paper.

**LEICESTER.**—Wanted immediately, good Junior Assistant (outdoors), to assist at Dispensing Counter, etc. Apply, with references and salary expected, to F. W. Goodess, The Pharmacy, 25 Market Street, Leicester.

**LIVERPOOL.**—Branch Manager; intelligent Chemist, capable of developing centrally situated Pharmacy; liberal salary to the right man only. State fully age and experience, with photo if possible, 242/260, Office of this Paper.

**LONDON.**—Assistant, qualified or unqualified; outdoors; no Sunday or Bank Holiday duty. Crowe & Co., 19 Air Street, Regent Street, W.

**LONDON.**—Qualified person required at once; very light and easy place; few hours daily; no Sundays; good opportunity for elderly person or one in a delicate state of health. Write at once to "Chemist," 59 Charlotte Street, Fitzroy Square, W.

**LONDON.**—First-class unqualified Assistant required for high-class business; good Counterman and expert Dispenser. "S. R." (77/32), Office of this Paper.

**LONDON (Suburb).**—Assistant (ineligible), whole- or part-time (outdoors), good-class Retail, Dispensing, and Photographic; state usual particulars, salary expected, and when disengaged. Apply, J. P. Kendall, 20 Park Parade, Palmers Green, N.

**LONDON (Suburbs).**—Wanted, smart Assistant, ineligible, accurate and quick Dispenser, for a brisk business. State salary (outdoors) and all particulars, "Spero" (75/3), Office of this Paper.

#### TO SAVE TROUBLE.

**MANY** correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed o/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

#### ANSWER IN TERMS OF THE ADVERTISEMENT AND

**REMEMBER** you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

**BE BRIEF BUT CLEAR.**—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

### RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

**LONDON** (Ten miles out), Trams pass door.—Unqualified Assistants; outdoors; no N.H.I. or Sunday duty; hours 9.30 a.m. to 1.6 p.m. to 9, except Saturday. State age, height, and salary required per week, "Middlesex" (77/6), Office of this Paper.

**LONDON, N.E.**—Outdoor Assistant, Counter, Dispensing, etc., unqualified or qualified; also Locum for two or three weeks in summer; indoors or outdoors. Write, stating salary expected and usual particulars, Tabor & Cresswell, 138 High Street, Kingsland, N.

**LONDON, N.W.**—Wanted, for a good-class Retail, Dispensing, and Photographic business, an experienced, reliable Assistant must be ineligible for military service. Apply, giving particulars of experience, and state salary required (in- or out-doors), to T. J. Evans, Ph.C., 9 Royal Parade, Golders Green, N.W.

**LONDON, S.W.**—Required for Front Counter, Assistants (male and female); hours of work approximately 8.45 to 6. Saturdays 1; no Sunday duty. Write, giving full particulars of experience, to "L. J.," 330, Sells' Advertising Offices, Fleet Street, E.C.

**LONDON, S.W.**—Required, Dispenser; hours of work approximately 8.45 to 6; no Sunday duty, Saturdays 1. Write, giving full particulars of experience, to "L. J.," 329, Sells' Advertising Offices, Fleet Street, E.C.

**LONDON, S.W.**—Qualified Manager and competent unqualified Assistant wanted; over military age; energetic. Apply, with full particulars as to experience, salary, etc., Durbin's Drug Stores, Ltd., Kingston-on-Thames.

**LONDON, W.**—A qualified man required to take charge for a few hours daily; suit elderly or retired man desiring a little light occupation; interview. "Berks" (78/39), Office of this Paper.

**MAIDSTONE.**—Competent man, married, or single, ineligible, capable of taking charge, with experience of Optics desirable, for good Cash trade; hours 8.30 to 8, closed Wednesdays at 1, Saturdays 9.30; no Sunday or Bank Holiday work; permanency for good man; the filler of vacancy releases a man for the Navy. Payne, Pharmaceutical Chemist, Maidstone.

**MANCHESTER.**—Wanted at once, unqualified for small Branch; easy hours; permanency. State full particulars in first letter, "Chemists," c/o C. Harrison & Sons, 26 Chapel Street, Salford.

**NEWINGTON BUTTS, London.**—Well-known firm have an opening for capable unqualified Assistant above military age, or who has been rejected; application from a smart young lady who has had experience in Chemist's shop, particularly Dispensing would be entertained. 77/320, Office of this Paper.

**SOUTH OF ENGLAND.**—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

**TREDEGAR.**—Reliable, steady, and honest Assistant (outdoors); unqualified; certified unfit for military service or over military age. Apply, stating terms and when at liberty, to Black, Pharmacist, Tredegar, Mon.

**WOLVERHAMPTON.**—Unqualified Assistants required for Front Counter work and Dispensing in Store business; vacancies for unqualified Assistants also occur in Manufacturing Laboratory. Applicants, who must be men ineligible for military service, or women, should forward full particulars of experience, stating age and salary desired, to Martyn's Stores, Ltd., Queen Street.

**YORK.**—Wanted, Assistant for Light Retail (ineligible), or lady; outdoors; easy hours; half holiday; no Sunday or extra duty. Apply, with full particulars, to J. Sowray, Chemist, Petergate, York.

**A QUALIFIED** Assistant wanted, early in August, in a good-class business for duration of war; married and over military age; experienced Dispenser essential. State salary required and references to W. Parry-Jones, Chemist, Barnet.

**ASSISTANT** required for Dispensing and Counter; one with West-End experience preferred. Apply, The Manager, Heppell & Co., 26 Piccadilly.

**BRANCH** Manager required shortly; N.W. district; one with a view entertained; elderly not objected to, if active. 78/34, Office of this Paper.

**DENTAL** Practitioner requires Assistant to take full charge of Dental Practice and Pharmacy in absence of owner on military duty; West End London; or would sell. Write, "L. B.," c/o Gould's, 54 New Oxford Street, W.C.



**DISPENSER** (female) wanted at the Southern Convalescent Fever Hospital, Dartford, Kent (under the Metropolitan Asylums Board); the person appointed must be a Licentiate of the Society of Apothecaries or registered under the Pharmacy Acts (Major or Minor certificate of the Pharmaceutical Society); those holding only the Assistants' certificate of the Society of Apothecaries are not eligible; the person appointed will be required to perform certain clerical work for the Medical Superintendent, and a knowledge of Typewriting will be an advantage; salary £120 per annum, rising by £7 10s. annually to £180; no increment until after four years' service; the Dispenser will be required to live in, and deductions amounting to £49 per annum will be made from the salary in respect of board, lodging, and washing. Applications must be made on forms obtainable from the Clerk, Metropolitan Asylums Board, Embankment, E.C., to whom they must be returned as soon as possible.

**HENRY HODDER & CO., LTD.**, Bristol, have vacancies for a qualified and an unqualified Assistant; application from lady considered for either berth; outdoors; hours 8.30 to 8, Friday to 9, Saturday to 10, closed Wednesday afternoon; no Sunday duty. Apply, with full particulars of experience, to Managing Director, Hodders, Ltd., 5 Nelson Street, Bristol.

**HOURS** 9 to 9, less 2½ meals; holiday Wednesday, 1 p.m.; 4 hours off Thursday afternoon; 1 hour Sunday duty; quick Dispenser essential; suit elderly or ineligible, but must be qualified; duties very light, Counter, Dispensing, etc.; young qualified not objected to. State wages, experience, age, when disengaged, in first letter, "Modern" (78/17), Office of this Paper.

**JUNIOR Assistant** (indoors); ineligible; knowledge of Photography. Full particulars, age, height, salary, etc., with photo, to W. H. Woodman, Pharmacist, Burnham, Som.

**LADY Assistant** required for Chemist's business; duties, Dispensing and a little Counter work; permanent and progressive berth. 77/322, Office of this Paper.

**LADY Assistant**; must be a good Dispenser, and have had experience in a Chemist's establishment; vacancy not in London; comfortable permanency for suitable applicant. State age, salary required, and when at liberty, "L. A." (77/323), Office of this Paper.

**LADY Assistant** required, accustomed to Chemist's Dispensing and Retail; seaside resort; light duties. 76/24, Office of this Paper.

**MESRS. TIMOTHY WHITE CO., LTD.**, Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects.

**QUALIFIED Assistant** required for Branch business; ineligible for military service; the berth offers good opportunity to one requiring permanency and where conscientious work and good Salesmanship will bring share interest in business; outdoors; reasonable hours. Clarke, Chemist, Bedwas, nr. Cardiff.

**QUALIFIED Manager** required for Branch, Retail and N.H.I.; short hours. Application, with particulars, the Secretary, Brightside and Carbrook Co-operative Society, Ltd., Kirkbridge Road, Attercliffe, Sheffield, endorsed "Chemist."

**UNQUALIFIED Dispenser**; over 40, or ineligible; married man not objected to; permanency to right man. Apply, giving particulars of experience, salary required, and references, to Mr. Reid, 2 Queen Street, Exeter.

**UNQUALIFIED Assistant**; age about 45; comfortable and permanent post. State salary required and when at liberty, "U." (77/321), Office of this Paper.

**WANTED immediately**, Improver or turnover Apprentice; outdoors; also Assistant for Sunday evening duty, 6 to 9.30. Apply, with full particulars, to J. Edmunds & Co., Ltd., 33 High Street, Kingsland, N.E.

**WANTED immediately**, good Assistant, lady or gentleman; good Counter experience. Johnson, Chemist, Milford Haven.

**WANTED**, an Assistant for alternate Sunday evenings and Thursday evenings. Apply, Lloyd, 267 King's Road, Chelsea, S.W.

**WANTED**, Third Assistant, about 21, unqualified, ineligible, for first-class West-End Dispensing. Apply by letter, stating salary (outdoors) required, enclosing photo and giving height, "W." (78/25), Office of this Paper.

**WANTED**, gentlemanly Manager, or Assistant willing to practically take charge of old-established, highest-class Pharmacy (and other departments); ineligible for Army. Write in first place, 78/12, Office of this Paper.

**YOUNG lady Assistant** required, with good knowledge of Dispensing and Counter work; no applicant with Doctor's or Hospital experience only will be entertained. Apply, with fullest particulars, to the Managing Director, Parke's Drug Stores, Ltd., 65 Harwood Street, N.W.

## WHOLESALE.

**LONDON DISTRICT**.—Required, Assistants, with experience of Wet and Dry Counter. Write, giving full particulars of wages required and experience, to "L. J.," 331, Sells' Advertising Offices, Fleet Street, E.C.

**LONDON Wholesalers** require experienced Warehouseman (Senior); one having practical knowledge of Proprietaries, etc., their sources of supply, etc. Full particulars to "Teknon" (242/29), Office of this Paper.

**ASSISTANT** in Surgical Instrument firm; accustomed to meeting Doctors, Counter work, etc. Address, stating age, experience, references, and wages expected (knowledge of Instruments indispensable), 74/1, Office of this Paper.

**COUNTER Assistants**, Wets and Dries, also Checkers for Home and Export despatch; ineligible for military service. Apply to Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close.

**EXPORT Packing and Despatch**.—Well-known London Wholesale Druggists require experienced man to superintend department. Full particulars, stating salary required, to 242/15, Office of this Paper.

**ORDER and Despatch Clerk** wanted by London Druggists' Sundries house; some knowledge of Card Indexing useful; lady might do; previous experience and small, good writing essential. Write, stating age, salary, experience, etc., to 242/39, Office of this Paper.

**PACKER** used to Druggists' Sundries wanted by a Wholesale firm, London. State age, wages, and experience to 78/25, Office of this Paper.

**PACKER** (male or female) required at once by a Wholesale firm; good wages to competent person; also man for Wet Counter, accustomed to Oils, etc. 75/40, Office of this Paper.

**PACKER**.—Wanted, by London Wholesale Druggists, experienced Packer; ineligible; abstainer; wages to commence 30s. per week. Address, "Packer" (242/25), Office of this Paper.

**PACKER**, ineligible for military service; accustomed to Surgical Dressings. Apply, 242/56, Office of this Paper.

**PACKERS**; ineligible; especially those well up in Glass Packing; also Porters; liberal wages. "A. W. W.," c/o Dakin Bros., Wholesale Druggists, 82 Middlesex Street, E.C.

**REPRESENTATIVE** wanted by firm of Wholesale Druggists to work existing connection among town Chemists; must be ineligible; experience of Travelling required. Apply, 69/17, Office of this Paper.

**TRAVELLERS** wanted for several sections of London; also for Home and S.E. Counties to Dorsetshire, to introduce and push (a) exceptionally saleable (topical, war) specialities; (b) the smartest got-up series of Chemists' own-named Packed Goods yet offered; and—if with a Traveller's qualifications—(c) Sundries and Pharmaceuticals, being the products of a leading House making everything a Chemist sells; useless applying unless with sound travelling experience and open connections. Write, stating age, experience, terms (salary or commission, and whether whole or part time), ground worked, etc., to 242/38, Office of this Paper.

**WANTED**, Representatives for various districts, calling on Grocers, Chemists, Stores, etc., to carry well-known profitable Line; good commission to man with good connection. Box 70, Pratts, 57 Market Street, Manchester.

**WANTED**, Dry Counter hand in Wholesale Druggists in London. Apply, "R. P." (242/3), Office of this Paper.

**WANTED immediately**, a light Porter; one who has had some experience in Laboratory work preferred. Apply, J. Munro & Co., 273 Regent Street, W.

**WHOLESALE**.—Wanted, man of experience, ineligible for Army, to Manufacture by machinery for Wholesale Sundry and Packed Goods house; one with original ideas for new lines preferred; permanency and reasonable salary to right man. State experience, age, when at liberty, and salary required, Raybould, Whitehouse & Co., Ltd., Wholesale Chemists, Dudley, Worcs.

## SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

**BRITISH EAST AFRICA**.—Qualified Assistant required; good Salesman and Dispenser; three years' agreement; £26 per month for the first year, £28 per month for the second year, and £30 per month for the third year; second-class passage paid out and home if desired on completing the agreement; references must be of the highest; exceptional prospects. Apply, "G. K.," Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, E.C.



## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

### [HOME.] RETAIL.

**A** PHARMACEUTICAL Chemist, near London, having spare time on his hands, would be glad to undertake any kind of professional work which could be done on his premises. Apply, 75/32, Office of this Paper.

**A**CTIVE Business Pharmacist disengaged; over military age; qualified; experienced and reliable; as Manager or Locum; Prescriber, Dispenser, and Counterman; accustomed to entire control of good-class busy Pharmacy. Chemist, 77 Shirland Gardens, Maida Vale, W.

**A**DVERTISER, 25, seeks engagement in good-class Dispensing business where he can regain knowledge of trade; 5½ years' experience (away 3 years); unqualified; ineligible. "F. H. P.," 96 George Street, Bedford.

**A**S Dispenser; qualified; experienced; ineligible. "J.," 12 Kent Road, Tunbridge Wells.

**A**S Locum, Manager, Assistant, or permanency; excellent references; London; Provincial experience; reasonable terms. 77/27, Office of this Paper.

**A**S Manager (qualified), active, reliable, elderly man seeks re-engagement as above; varied experience; exceptional references. Full details, terms, to "Tabloid" (75/15), Office of this Paper.

**A**SSISTANT (Hall); 36; single; abstainer; good West-End experience; excellent references; ineligible. 69/8, Office of this Paper.

**A**SSISTANT; ineligible; 7 years' experience Dispensing and Retail. C/o Jackson, 25 Craven Park Road, Harlesden, N.W.

**A**SSISTANT or Manager; 45; unqualified; good all-round experience, 8 years Manager. 75/4, Office of this Paper.

**A**SSISTANT; qualified; view succession; middle-aged; highest references; cash ready. Bentley, Dovecourt.

**A**SSISTANT Manager, Drug Stores, etc.; age 57; over 30 years' Retail experience; Lancs or near. Terms to "Chemist," 180 Chapel Street, Oldham.

**A**SSISTANT or Manager; 45; unqualified; reliable Dispenser, Photography; all-round experience; married. Please state salary offered (Devon preferred), "Energy," 27 Hingston Road, Babbacombe.

**A**SSISTANT, young, unqualified, ineligible, requires situation soon in good Dispensing business; London, S.W. preferred. State full particulars, "Spes.," 25 St. Peter's Road, Milford Haven.

**A**SSISTANT or Branch Manager; thoroughly experienced, Provincial, West End; excellent references; unqualified; permanency desired; London districts; easy succession or otherwise; married; ineligible; temporary or Locum. State terms, 58 Haslemere Road, Thornton Heath.

**C**ERTIFIED lady Dispenser, 10 years' experience, desires Locum work, Doctor or Institution; disengaged June 10; booking forward. 77/39, Office of this Paper.

**D**ISENGAGED evenings and Saturdays; 29; late Manager West End. "Ajanick," 4 Kingston House, Camden Street, N.W.

**D**ISPENSER; qualified (ineligible); disengaged; 2½ hours mornings. Squire, 9 Fore Street, E.C.

**D**OCTOR'S Dispenser, unqualified, age 42, wishes to assist in Chemist's shop to learn Retail; state salary (outdoors); highest references; near London preferred. 75/10, Office of this Paper.

**D**OCTOR'S Dispenser.—Wanted, by an unqualified man, but well recommended, a place as Dispenser to a Doctor. Apply, 73/33, Office of this Paper.

**E**LDERLY Pharmacist; best experience; appointment London; reasonable hours; moderate salary. 77/5, Office of this Paper.

**E**VENING War Relief; ineligible; experienced; unqualified; would give evenings from 6 p.m. Terms to "Nauticus," 65 Hillier Road, Clapham Common, S.W.

**E**XPERIENCED Managing Assistant, disengaged, ineligible, desires permanency; London preferred; reliable, active, and would give good services; unqualified. "F.," 53 Cranleigh Road, West Green, N.

**G**ENTLEMAN, having had good-class experience in Chemistry and Dentistry, with own Instruments, seeks appointment as Manager of Chemist's business, with Dentistry or Drug Store, and Dental Surgery; Midlands or South preferred; discharged from military service; view succession considered. Please give full particulars, in confidence, 78/11, Office of this Paper.

**I**MMEDIATELY, Locum; free until June 19; highest reference; town or country; abstainer. "H. E.," 2 The Facade, Stroud Green Road, N.

**L**ADY Dispenser (qualified two subjects, Hall) desires post, Doctor or Chemist. Apply, "E. C.," 2 Clifton Gardens, Maida Vale, W.

**L**ADY Dispenser, Hall qualification; free mornings and evenings; Locum or Doctor; good experience. Margaret Street Hospital, 26 Margaret Street, W.

**L**ADY, Hall certificate and Matriculated, desires post in good-class Chemist's, to Dispense and learn Counter work in preparation for Minor; Wednesday and Thursday evenings free, as studying for Inter. B.Sc.; salary 35s. Address, Keridge, "Haslemere," Cavendish Road, Merton, S.W.

**L**ADY, aged 25, partly through Hall Exam., requires part-time situation in London or Suburbs, with opportunity for acquiring experience in practical Dispensing. In applying, please give particulars to 76/4, Office of this Paper.

**L**ADY, 18, requires post as Junior; Dispensing and Counter experience; Midlands preferred. 76/6, Office of this Paper.

**L**ADY Dispenser (Hall) desires post, Chemist, Hospital, or Doctor; London preferred. 74/35, Office of this Paper.

**L**ADY Dispenser (Hall); disengaged; London preferred. "M. H.," 69 Navarino Mansions, Dalston Lane, N.E.

**L**OCUM (unqualified), 28, reliable, trustworthy, ineligible, requires berth, seaside resort, 4 to 6 weeks from July 31. Particulars to "Regnum," 47-Lisum Road, Hampstead.

**L**OCUM; lady, Scotch; capable; 14 years' experience, Counter, Dispensing; highest references; £3 3s. weekly, hours good; £3 10s., long hours, Sunday duty; country, South England. "Mac," 1st Flat, 33 Hereford Road, Bayswater, London.

**L**OCUM or temporary; 22; rejected; unqualified. Cohen, 83 Spencer Place, Leeds.

**L**OCUM Tenens; qualified; elderly; disengaged; Prescriber. Ben. Griffiths, 6 Newcastle Hill, Bridgend, Glam.

**L**OCUM; Liverpool district, North Wales; qualified; excellent references; ineligible; varied London and Provincial experience; disengaged. Jones, 8 High Terrace, Holyhead.

**L**OCUM; country; qualified; 50; first-class testimonials and references; disengaged July 15 to August 21, after September 10; booking forward. Dewey, Aston, Chemists, Lancing.

**L**OCUM; 51; experienced; abstainer; disengaged; reasonable terms; forward bookings. Sowerby, 4 Queen Street, Redcar.

**L**OCUM; qualified; age 47; references; West of England preferred. Address, 76/26, Office of this Paper.

**L**OCUM; qualified; 46; outdoors; thoroughly experienced; disengaged. "Chemist," 33 Lansdowne Street, Hove, Brighton.

**L**OCUM; qualified; thoroughly experienced; disengaged now. "N.," 10 Pricedaux Road, Clapham, S.W.

**L**ONDON Only.—Branch Manager or Assistant; over military age; unqualified; abstainer; Front Counter, Dispensing; disengaged; permanency desired. "Hodie," 10 Alfearn Road, Clapton, N.E.

**M.P.S.**, 27, desires engagements as Locum during July, August; references and experience excellent. Barton, 5 Broadway, St. Margaret's, Middlesex.

**M**AJOR, lady, Square trained, knowledge of Bacteriology, good experience in Dispensing, also Retail and Photography, desires position with a high-class firm. Please give all particulars re hours, salary, etc., in first letter, 75/21, Office of this Paper.



**M**ANAGER or Dispenser; live over if possible; age 44; married; qualified; capable and energetic; London essential. "M., 28 Pleydell Avenue, Upper Norwood.

**M**ANAGER or Assistant; unqualified; in good Country business; competent Dispenser, Prescriber, and Counterman; great experience; married, no family; middle-aged; good references. "Statim," 85 Arundel Street, Landport.

**M**ANAGER; over military age; good all-round experience, both in Retail and Dispensing, Photography; good references; Minor; outdoors. 76/34, Office of this Paper.

**M**ANAGERSHIP, Partnership, or responsible position by energetic qualified Pharmacist; accustomed to large business, with special knowledge of Surgical Appliances, and sound business experience; can put in capital to £1,000 if necessary. 78/23, Office of this Paper.

**P**ERMANENCY or temporary; 41; accustomed Management; unregistered; disengaged. "Chemists," 89 Denmark Road, Manchester.

**P**HARMACIST, qualified, over military age, seeks appointment; London preferred. 73/38, Office of this Paper.

**P**HARMACIST, 25, married, rejected, thoroughly experienced, seeks responsible position; moderate hours; disengaged now. "W. T.," 39 Gateley Road, Brixton, S.W.

**P**HARMACIST, elderly, desires comfortable permanency or Manager small business; in or out; easy hours; Hospital experience. Carter, 7 The Arcade, Westbourne, Bournemouth.

**Q**UALIFIED; 29; ineligible; married; experienced and reliable; Midlands preferred. 75/12, Office of this Paper.

**Q**UALIFIED, experienced woman Dispenser requires post with Doctor; South Coast preferred. 75/11, Office of this Paper.

**Q**UALIFIED; 39; married; exempt; Locum, permanency; disengaged. Stewart, 3 Elborough Street, Southfields.

**Q**UALIFIED; 52; active; disengaged June 20; varied experience, including Insurance Dispensing; permanency or seaside for season. Chemist, 12 Lion Road, Lower Edmonton.

**Q**UALIFIED Manager; ineligible; experienced all classes of business; sober, industrious, and reliable; market knowledge, now at liberty; married; country not objected to. 77/16, Office of this Paper.

**Q**UALIFIED, wide experience, ineligible, good Dispenser and Prescriber, seeks permanency; reliable, active. 76/21, Office of this Paper.

**T**RAINED Nurse-Dispenser-Bookkeeper (Apoth. Hall), experienced, seeks post with Doctor; in or near Portsmouth preferred. Apply, 75/20, Office of this Paper.

**U**NQUALIFIED, aged 44, desires immediate engagement in Hospital or Institution, as Attendant or Assistant Dispenser; not particular as to duties, provided honours are reasonable; recently invalided from the Army; willing, sober, energetic. Please state salary, "Medicus," 106 Liverpool Road, Barnsbury, London.

**U**NQUALIFIED; just over military age; Locum or permanency; disengaged; London preferred; all-round experience. "Radix," 72 Tremadoc Road, Clapham, S.W.

**U**NQUALIFIED, attested, lately Manager Wholesale Chemists, requires Locum or temporary post till called up. Clark, Regent Street, Smethwick.

**U**NQUALIFIED; 44; disengaged June 14; capable and able to take charge; good references. "J. G.," 23 Lower Brook Street, Ipswich.

**U**NQUALIFIED; elderly; Assistant or Branch; energetic. 76/8, Office of this Paper.

**£4 5s. WEEKLY**; qualified; 33; energetic; excellent references; as Locum or Manager, or with view to succession. 77/19, Office of this Paper.

**£2 2s. INDOORS**, £3 3s. out, minimum, plus fare; Locum; 31; tall; abstainer; definitely ineligible; every experience; West End, town, country, seaside or Midlands; excellent references; disengaged June 25. "Locum," Wolverton, P.O. Square, Beeston, Notts.

**42s. INDOORS**, and return fares; elderly, reliable. Fletcher, 74 High Street, Caterham.

## WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**A**DVERTISER (ineligible) seeks post of Traveller for a good House; well up all branches of trade; Yorks or Yorks and Lancs. Particulars, 77/2, Office of this Paper.

**C**LERK, over military age, with 26 years' experience in London Wholesale Druggists', seeks situation (London); a thorough knowledge of the financial status (Book experience) of about 3,000 Chemists; also a good knowledge of prices of Patents and Sundries; used to organising. Apply, "Status" (74/14), Office of this Paper.

**D**ISPENSER seeks post; London only; ineligible. 78/16, Office of this Paper.

**P**HARMACEUTICAL and Analytical Chemist, possessing expert knowledge of the manufacture of Galenicals, Malt Extracts, Fine Chemical and Synthetic Products, requires post immediately. 77/22, Office of this Paper.

**R**USSIAN Pharmacist, 23, tall, experience of English and Continental Dispensing Laboratory, desires situation in Pharmacy or Wholesale; whole- or part-time. 78/22, Office of this Paper.

**T**ECHNICAL Chemist (F.C.S.), with Works experience in manufacture of Ointments, Tinctures, Extracts, Liquors, Syrups, Liniments, and other Pharmaceutical Products, formerly in practice as an Analytical Chemist, desires change; preferably in or near London; good references; over military age. Apply to 73/37, Office of this Paper.

**T**RAVELLER, 20 years' connection South-West and East Coast ground, seeks re-engagement with reliable firm; ineligible. "123" (75/7), Office of this Paper.

**T**RAVELLER or Sub-Manager; 41; travelled London, South Coast. "Chemists," 89 Denmark Road, Manchester.

**T**RAVELLER, qualified Chemist, requires re-engagement; experienced, energetic, successful; excellent selling record and connection with Chemists, Stores, Institutions, and general; intimate knowledge Drug, Sundries, Essence, Disinfectant, etc., trades; first-class references; ineligible Army; disengaged. 78/13, Office of this Paper.

## MISCELLANEOUS.

**S**HOP FITTINGS.—War Bargains; Mahogany and Plate Glass Sponge Case with bent top, 75s.; 10 ft. Mahogany and Plate Glass Serving Counter, £8; Perfumery Case and Desk, 52s. 6d.; 4 ft. Bent Counter Case, 45s. Write enquiries, PHILIP JOSEPH & SONS, LTD., 93 Old Street, London, E.C.

**S**ECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

**P**HOSPHORIC Acid Anhydride for Sale, about  $\frac{1}{2}$  ton, packed for export; 2s. 6 $\frac{1}{2}$ d. spot delivery. 236/44, Office of this Paper.

## TO CHEMISTS, SHIPPERS AND CHEMICAL MANUFACTURERS.

We compress tablets from your own ingredients or otherwise, plain or coated. Large quantities dealt with quickly.

Superior Machinery and Scientific Control.

**R. GIBBINS & CO.,** 1 Birkbeck Road, Kingsland, LONDON, N.E.



## EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d

### FOR DISPOSAL.

#### THE TRADE PERMEATOR.

Writing with reference to the sale of a microscope through this Supplement, a well-known pharmaceutical chemist (236/58) says:

"I had several inquiries for it through your advertisement, and the first applicant—a well-known pharmaceutical demonstrator—secured it, and is highly satisfied. Next time I have a bargain to offer you will get the advertisement, as the C. & D. permeates the World of Pharmacy."

### BOOKS AND PERIODICALS.

"PHARMACEUTICAL JOURNAL" for 12 months, 5s. 6d. J. C. Lloyd, Lewes.

### DENTAL.

1 doz. dental forceps, scarcely used, 32s. 6d. S. Carter, Chemist, Penzance.

### DRUGS AND CHEMICALS.

1 oz. mitol,  $\frac{1}{2}$  oz. piperazine,  $\frac{1}{2}$  oz. vanillin,  $\frac{1}{2}$  oz. magnesium powder; offers wanted. Sharman, Northwood.

TWO 100's B. W.'s sulphonal tablets; 1 doz. 25's sulphonal tablets; various To-Kalon preps.; cheap; offers. Griffith, Shepton Mallet.

8 oz. antipyrine (old make) at 4s. per oz., 4 oz. sulphonal at 2s. per oz., 4 oz. chloralamid at 4s. per oz. Davis's Drug Stores, 114 Gascoigne Road, Barking.

ABOUT 5 lb. sodii salicyl., B. W.'s, 18s. 6d. per lb.; 7 lb. potass. permang., 7s. 6d. per lb.; methyl salicylas, 14s. 6d. lb. 7 lb. W. Qt., 15s. 1 lb., carriage paid. Barnard, 309 Hackney Road.

1  $\frac{1}{2}$  lb. pure vermillion, 7s. 6d.;  $\frac{1}{2}$  lb. aerugo pulv. com., 9d.; 3 oz. lactic acid, 4s. 6d.; 1 lb. pot. ferrieyan., 10s.;  $\frac{1}{2}$  lb. pot. ferrocyan., 2s.; 2 oz. guaiacol pure, 5s.; 6 dr. magnesium ribbon, 2s. 6d.; 4 oz. gallic acid, 1s. 6d.; 3 dr. salol, 1s. 3d.; 3 oz. sulphonal, 6s.; 3 dr. trional, 1s.; 14 oz. gum kowie, 1s.; 5 dr. salipyrin, 2s. 6d.; 1  $\frac{1}{2}$  oz. salophen, 4s. 6d.; 5 oz. pulv. indigo puro, 5s.; 6 oz. pulv. Prussian blue, 1s. 6d.; 650 Easton's sy. tablets, 30 min., 3s. 6d.; 4 lb. arsenic, alb. pulv. com., 1s. 3d. John Emersou, Chemist, West Hartlepool.

### SHOP FITTINGS.

TWO show stands, Maw's 212/W., 35s. S. Carter, Chemist, Penzance.

5 gross 6-oz. dispensing flats (new), in three casks, all at 23 7s. 6d. carriage forward. Dunnet, Chemist, Falkirk.

CERTLING £10 open-beam balance, rider apparatus and pan arrests; sell 40s. Firmin, e/o Gould, 59 Moorgate Street, London.

4  $\frac{1}{2}$  gross plain green flats, 8 oz., 14s. 6d. gross;  $\frac{1}{2}$  gross 10-oz. (tablespoon) green flats, 16s. gross, carriage paid. Bellamy, Chemist, Barnsley.

### PROPRIETARY ARTICLES.

SHEEP DIP, Biggs' Glenovis powder, two tins for 250 sheep, two tins for 126 sheep, one for 325, two Biggs' paste dip for 160; what offers? 77/18, Office of this Paper.

### MISCELLANEOUS.

FOR sale, tincture press, 2-gall. double action, in excellent condition. Hirst, 81a Somers Road, Portsmouth.

WHAT Offers?—5  $\frac{1}{2}$  lb. pot. pruss. flav., 12 oz. sod. salicyl. pulv., 2 lb. acid. tart. parv., 8 trusses. Smith's Drug Stores, Narborough, Leicester.

### WANTED.

ONKEN Younits, full set 105. Braid, Chemist, Exmouth.

WANTED, 2-oz. castor-oil bottles, as Maw's 1263a. Frost, Monmouth.

WANTED, Supplements to P.J. Formulary, 1907. Timothy White Co., Ltd., Portsmouth.

MIXER machine for powder, and sifting machine or mixer and sifter combined. Evans, Cul-de-Sac, East Molesey.

A STILL, also Gardner's or other powder mixer and sifter, or either (power). Tooth Factory, East Molesey, Surrey.

SCALES.—Brass, agate; to weigh up to one pound; sensitive to one grain. A59, Birchall's Advertising Offices, 17 James Street, Liverpool.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

## WAR WANTS EXCHANGE.

For the terms upon which announcements are inserted herein see Supplement for June 3, p. xxxvi.

### WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

#### THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Barbitonum (75/22) Phenazonum (75/22)  
Dermatol dusting-powder Pyramidon powder or tablets (75/22)

### FOR DISPOSAL.

Seaside buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall keep them in touch with sellers:—

Cocain. hydrochlor., 1 or 2 oz. (77/9)

## New Books.

Any book published in the United Kingdom can be supplied to our subscribers at the price quoted, plus postage at the rate of 2d. for the first hundred pages and 1d. per 100 beyond. Orders, with remittance, should be sent to the Publisher, 42 Cannon Street, London, E.C.

Findlay, Alexander, D.Sc., F.I.C. *Chemistry in the Service of Man.* 8  $\frac{1}{2}$  x 5  $\frac{1}{2}$ . Pp. xiv + 225. 5s. net. (Longmans, Green & Co.) [The basis of this book is the course of Thomson lectures delivered by Professor Findlay before the United Free Church College, Aberdeen, in 1915, and it was a happy idea to bring them together, with additions, as a popular book on the subject. There are eleven chapters in the book, the first being an introduction, and the titles of the other chapters sufficiently indicate the contents of the book. They are: "Combustion, and the Production of Fire"; "The Chemistry of Illuminants"; "Energy, Fuel, and Explosives"; "Cellulose and Cellulose Products"; "Velocity of Reactions and Catalysis"; "Fixation of Atmospheric N'trogen"; "Glass, Soda, Soap"; "Electrocity and Chemistry, the Colloidal State"; "Molecular Structure"; and "Synthetic Chemistry." The book is a particularly good example of successful effort to make non-scientific people realise how helpless and unprofitable are industrial pursuits which ignore science. Also it demonstrates that Germany's singular industrial success during the past half-century is chiefly due to appreciation of science, and that other nations must in the future adopt similar lines for improvement. The British reader cannot fail to be struck by the amount of novelty and progress initiated by British workers, but carried to industrial and commercial success by Germans. We are now getting into conditions which are favourable to preventing repetition of such blunders or errors.]

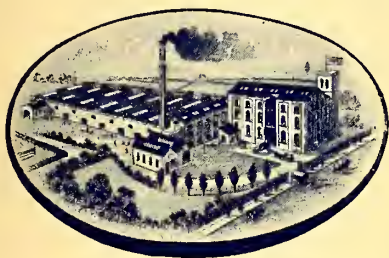
Squire, Peter Wyatt. *Squire's Companion to the Latest Edition of the British Pharmacopœia; Comparing the Strength of its Various Preparations with those of the United States and other Foreign Pharmacopœias; to which are added Non-Official Preparations and Practical Hints on Prescribing.* Nineteenth edition. 8  $\frac{1}{2}$  x 5  $\frac{1}{2}$ . Pp. xvi + 1691. 15s. net. (London: J. & A. Churchill.) [The introductory matter has been reduced from forty-two to sixteen pages by transference of certain tables to the latter part of the book. The monographs on chemicals, drugs, and their preparations, with a three-page supplement on recent matters, occupy 1,453 pages, following which is an article by Professor R. Tanner Hewlett on therapeutic agents of microbial origin; including therapeutic sera, tuberculins, onsonins, vaccines, and allied substances (eleven pages) "Chemicals, reagents, etc., used in qualitative testing occupy the next thirty-two pages, and are followed by thirty-two pages on volumetric analysis, which is a treatise on the standardised solutions and indicators used therein. Sixteen pages on methods for the determination of physical constants complete this analytical series. The remaining 145 pages contain, *inter alia*, spas and mineral waters; a comparative table of the British, United States, German, and French Pharmacopœias; materia medica table; a therapeutical classification of remedies (two sections); and an index of sixty-nine pages.]



The  
**Wigglesworth**  
Way

# A GOOD WINDOW DISPLAY

➔ is your best ➔  
advertising medium.



Possibly you may be short handed, and not have the time to dress your window, as window dressing in the ordinary way entails time, worry and anxiety.

The "Wigglesworth Way" has reversed the old order of things, and gains the maximum effect with a minimum of trouble.

It cuts down window dressing by one-half, and doubles its selling power.

## Make a show of BISMUTHATED MAGNESIA

EITHER IN POWDER  
OR TABLET FORM,

and test its effectiveness. The result will surprise you.

A customer sending a repeat order writes: "It is impossible to keep stock when your display is in the window. Please send another gross of bottles of Bismuthated Magnesia Tablets by passenger train."

Now is the time for you to reap the benefit of this popular Indigestion line.

*Full particulars submitted upon receipt of postcard.*



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